

TC-C5

SERVICE MANUAL

*US Model
Canadian Model
AEP Model
UK Model*



SPECIFICATIONS

Model Name Using Similar Mechanism	TC-WR820
Tape Transport Mechanism Type	TCM-200R30

Recording system	4-track 2-channel stereo
Fast-winding time	Approx. 90 sec. (with Sony C-60 cassette)
Bias	AC bias
Heads	Erasing head × 1 (ferrite head) Playback/Recording head × 1 (LA head)
Motors	Capstan motor × 1 (DC servo motor) Reel motor × 1 (DC motor) ASIST (mechanical drive) motor × 3 (DC motor)
Signal-to-noise ratio (at peak level)	

Cassette	Dolby NR switch	OFF	B-Type ON	C-Type ON
Type IV (Sony METAL-SLT)		59 dB	67 dB	74 dB
Type II (Sony UX-S)		58 dB	66 dB	73 dB
Type I (Sony HF-S)		56 dB	64 dB	71 dB

Total harmonic distortion	1% (with Sony METAL-SLT cassette)
Frequency response (DOLBY NR OFF)	

Type IV cassette (Sony METAL-SLT)	20 - 19,000 Hz (± 3 dB, IEC) 30 - 15,000 Hz [± 3 dB 0VU (-4 dB) recording]
Type II cassette (Sony UX-S)	25 - 17,000 Hz (± 3 dB, IEC)
Type I cassette (Sony HF-S)	25 - 16,000 Hz (± 3 dB, IEC)

Wow and flutter	$\pm 0.09\%$ W. Peak (IEC) 0.06% WRMS (NAB) $\pm 0.16\%$ W. Peak (DIN)
-----------------	---

Line inputs (phono jacks)
Sensitivity 77.5 mV
Input impedance 47 k ohms

Outputs		
Line outputs (phono jacks)	Rated output level	0.32 V at a load impedance of 47 k ohms
	Load impedance	Over 10 k ohms
Headphones (stereo phone jack)	Output level	0.3 mW at a load impedance of 32 ohms

General
Power requirements US, Canadian model : 120V AC, 60Hz
AEP, Germany model : 220–230V AC, 50/60Hz
UK model : 240V AC, 50/60Hz
Power consumption 20 W
Dimensions Approx. 430 × 135 × 350 mm (w/h/d)
(17 × 5 1/8 × 13 1/8 inches)
including projecting parts and controls
Weight Approx. 6.7 kg (14 lb 13 oz)

Supplied accessories
Audio connecting cords (2)
Wireless remote commander RM-J801(1)
Sony size-AA (R6) batteries(2)

Design and specifications are subject to change without notice.

STEREO CASSETTE DECK

SONY®

* Dolby noise reduction and HX Pro headroom extension manufactured under license from Dolby Laboratories Licensing Corporation. HX Pro originated by Bang & Olufsen.

"DOLBY", the double-D symbol  and "HX PRO" are trademarks of Dolby Laboratories Licensing Corporation.



SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety check before releasing the set to the customer:

Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microampers). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

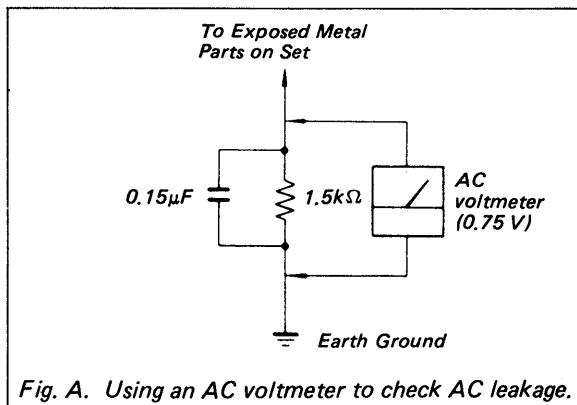
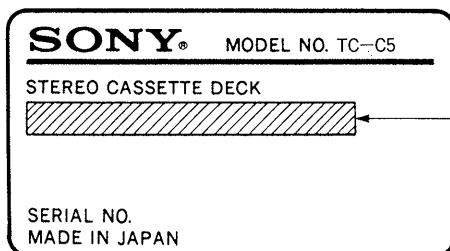


Fig. A. Using an AC voltmeter to check AC leakage.

MODEL IDENTIFICATION

—Specification Label—



US, Canadian model: AC120V 60Hz 20W
AEP, Germany model: AC220-230V~50/60Hz
UK model: AC240V~50/60Hz

TABLE OF CONTENTS

<u>Section</u>	<u>Title</u>	<u>Page</u>
SERVICE NOTE	3	
SECTION 1. GENERAL	5	
SECTION 2. DISASSEMBLY	6	
SECTION 3. MECHANISM OPERATION.....	11	
SECTION 4. ADJUSTMENTS		
4-1. Mechanical Adjustments	15	
4-2. Electrical Adjustments	15	
SECTION 5. DIAGRAMS		
5-1. Printed Wiring Boards		
— Audio/System Control Section — ...	19	
5-2. Schematic Diagram		
— System Control Section —	23	
5-3. Circuit Boards Location	27	
5-4. Schematic Diagram		
— Audio Section —	27	
5-5. Printed Wiring Boards		
— MD Section —	31	
Fluorescent Indicator Tube	33	
Semiconductor Lead Layouts	34	
SECTION 6. EXPLODED VIEWS		
6-1. Drum Section	35	
6-2. Front Panel Section	36	
6-3. Slider Section	37	
6-4. Chassis Section	38	
6-5. Mechanism Section 1	39	
6-6. Mechanism Section 2	40	
SECTION 7. ELECTRICAL PARTS LIST	41	

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK OR DOTTED LINE WITH MARK ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT
À LA SÉCURITÉ!

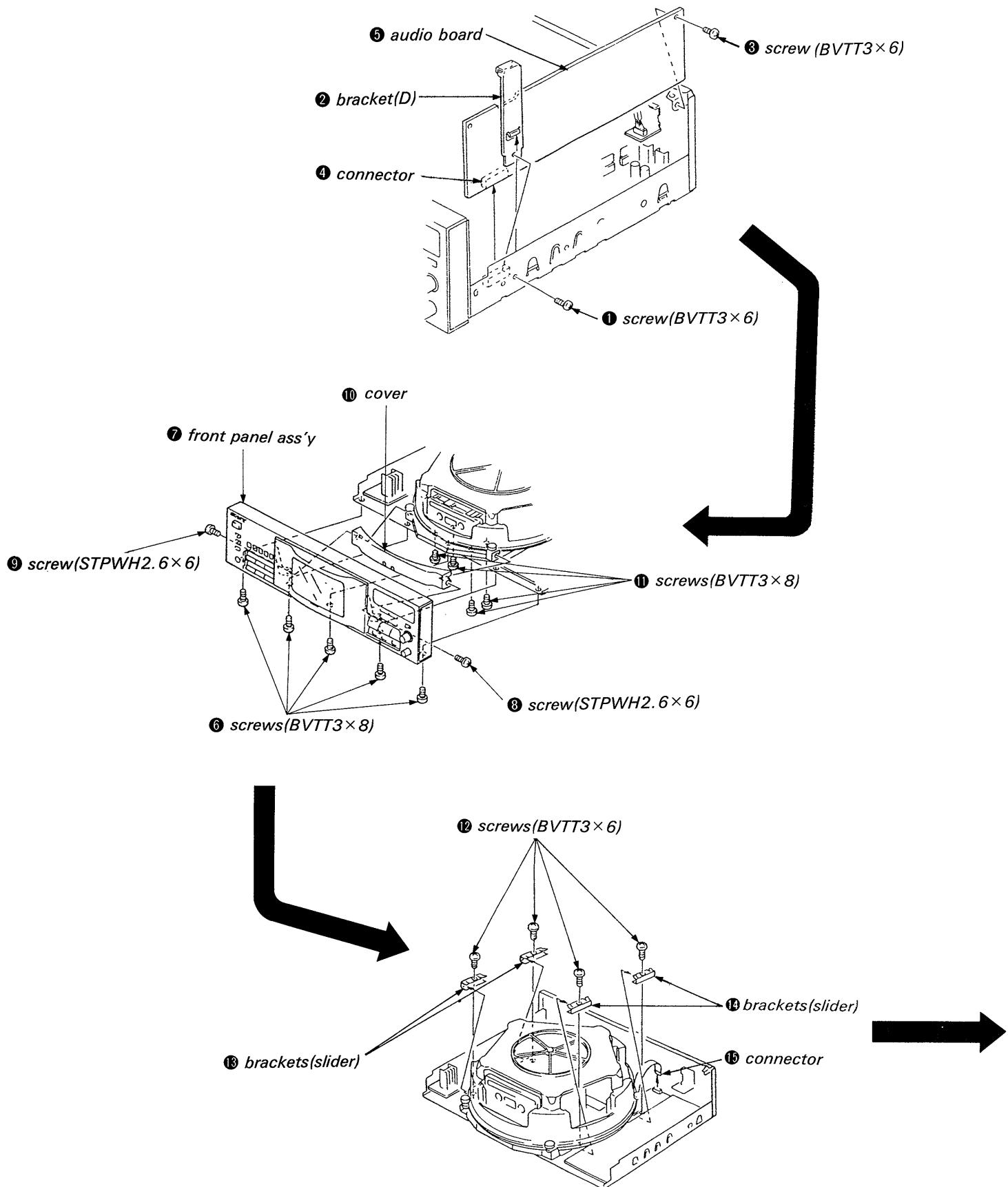
LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

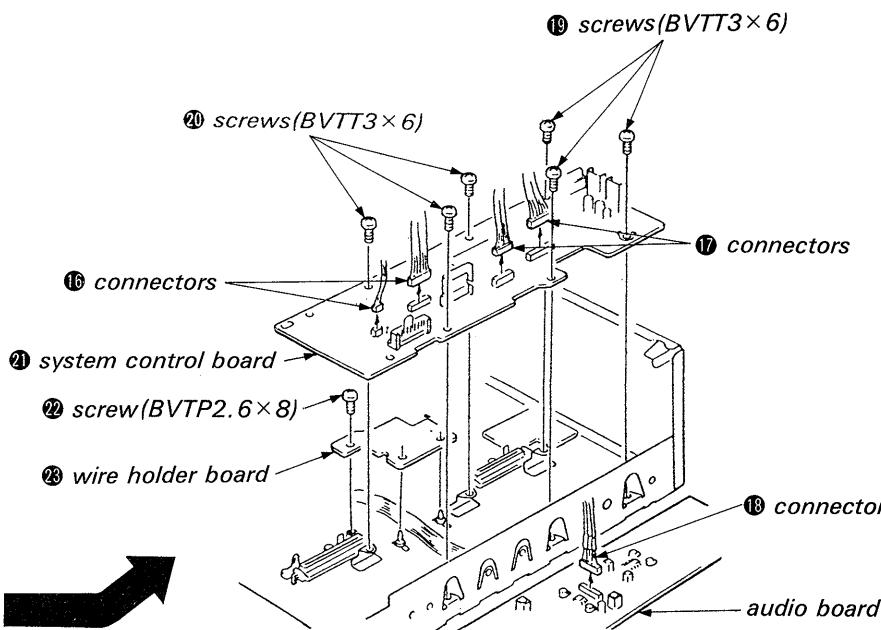
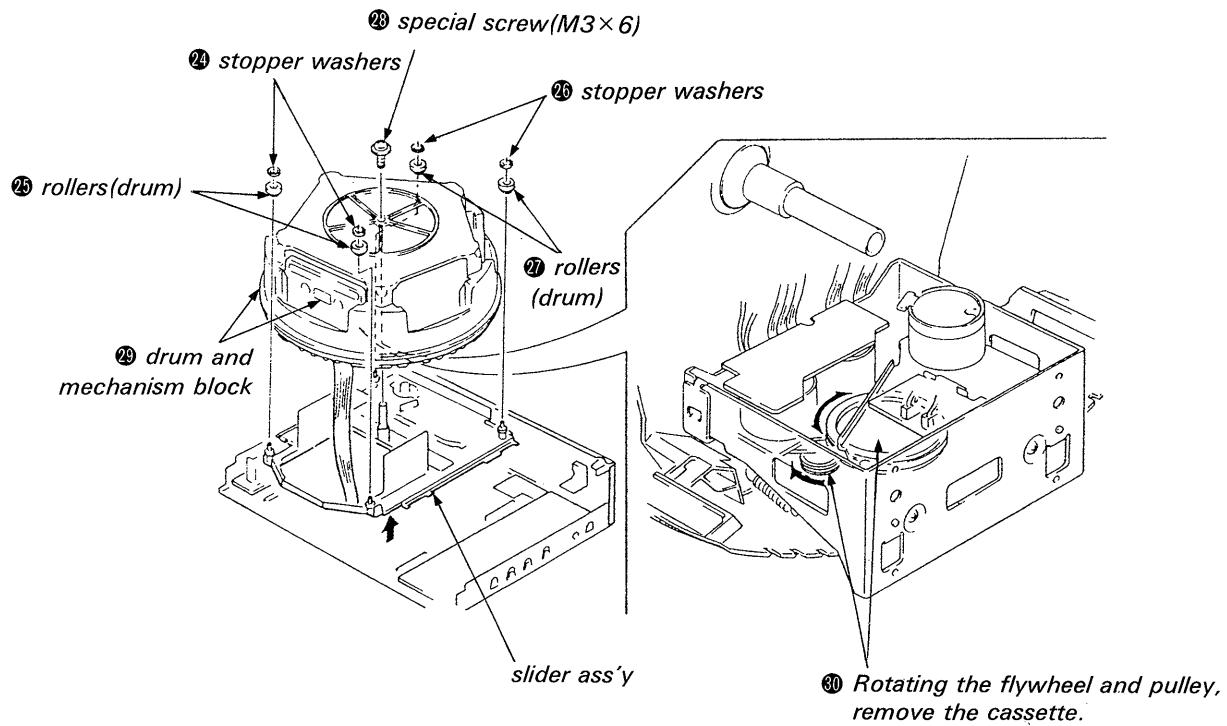
SERVICE NOTE

Notes on Repair

Be sure to follow these instructions if the tape is jammed in the mechanism.

NOTE : Follow the disassembly procedure in the numerical order given.





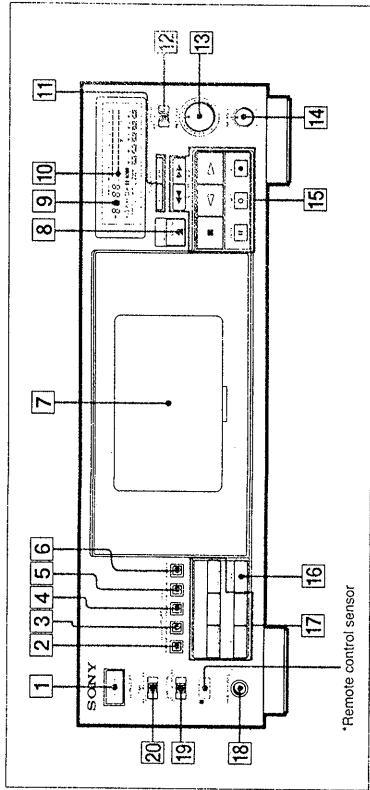
SECTION 1

GENERAL

This section is extracted from instruction manual.

Identifying the Parts

Front Panel



For details, refer to the page number indicated in ●

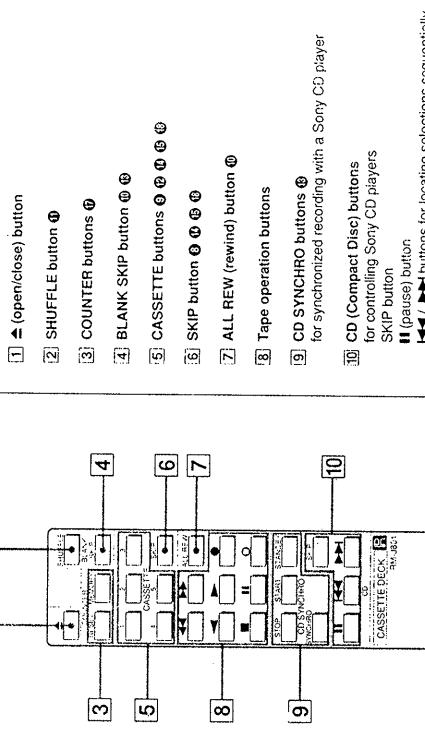
- 1 POWER switch
- 2 PROGRAM button ①
- 3 SHUFFLE button ①
- 4 SYNC MODE button ②
- 5 ALL REW (rewind) button ①
- 6 BLK (blank) SKIP button ① ②
- 7 Cassette holders
- 8 ▲ OPEN/CLOSE button
- 9 LINEAR COUNTER ①
- 10 PEAK LEVEL METER ①
- 11 COUNTER buttons
- 12 RESET button ①
- 13 MEMORY button ② ③
- 14 DOLBY NR (noise reduction) switch ① ② ③ ④
- 15 REC (recording) LEVEL control ② ③
- 16 BALANCE control ① ②

— 5 —

Remote Commander

The controls on the remote commander are identical in function and operation to those with the same name on the main unit.

For details, refer to the page number indicated in ●



For details, refer to the page number indicated in ●

- 1 ▲ (open/close) button
- 2 SHUFFLE button ①
- 3 COUNTER buttons ①
- 4 BLANK SKIP button ① ②
- 5 CASSETTE buttons ① ② ③ ④ ⑤
- 6 SKIP button ① ② ③ ④
- 7 ALL REW (rewind) button ①
- 8 Tape operation buttons
- 9 CD SYNCHRO buttons ① for synchronized recording with a Sony CD player
- 10 CD (Compact Disc) buttons for controlling Sony CD players
■ (stop) button
▶ (forward play) button
◀ (reverse play) button
II (pause) button
◀◀ / ▶▶ buttons for locating selections sequentially

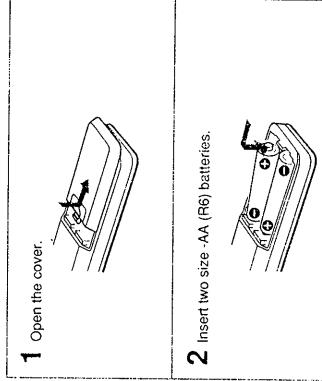
Installing Batteries into the Remote Commander

On battery life

- About half a year of normal operation can be expected when using the Sony Li-3(Ni) batteries.
- When the batteries are run down, the remote commander will not operate the unit. In this case, replace both batteries with new ones.

On handling

- Keep the commander away from extremely hot or humid places.
- Avoid dropping any foreign objects into the commander casing, particularly when replacing the batteries.
- Avoid exposing the remote sensor to direct sunlight or lighting apparatus. Such exposure can cause a malfunction.
- To avoid damage caused by battery leakage and corrosion, remove the batteries when the commander will not be used for a long time.



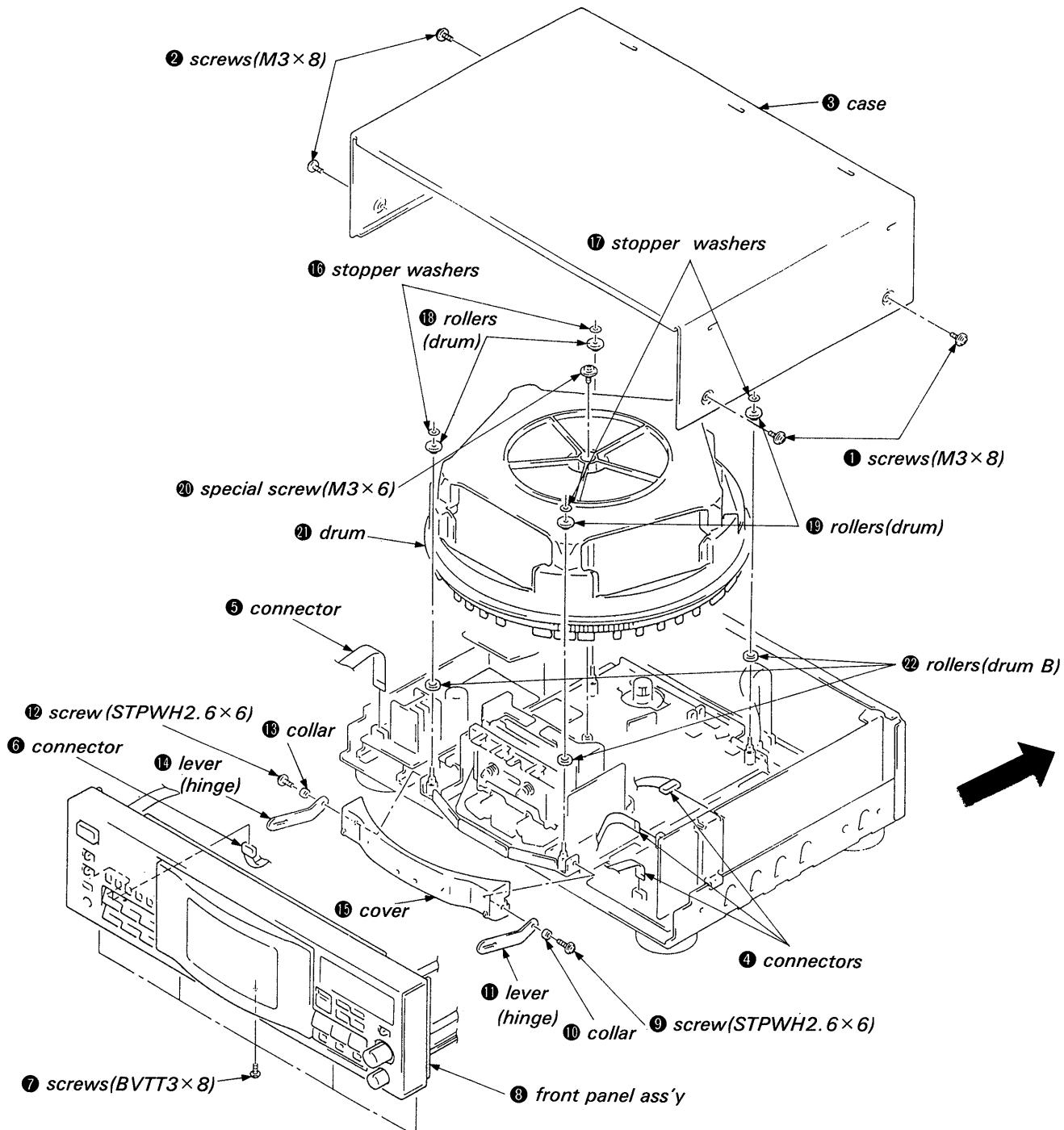
6

7

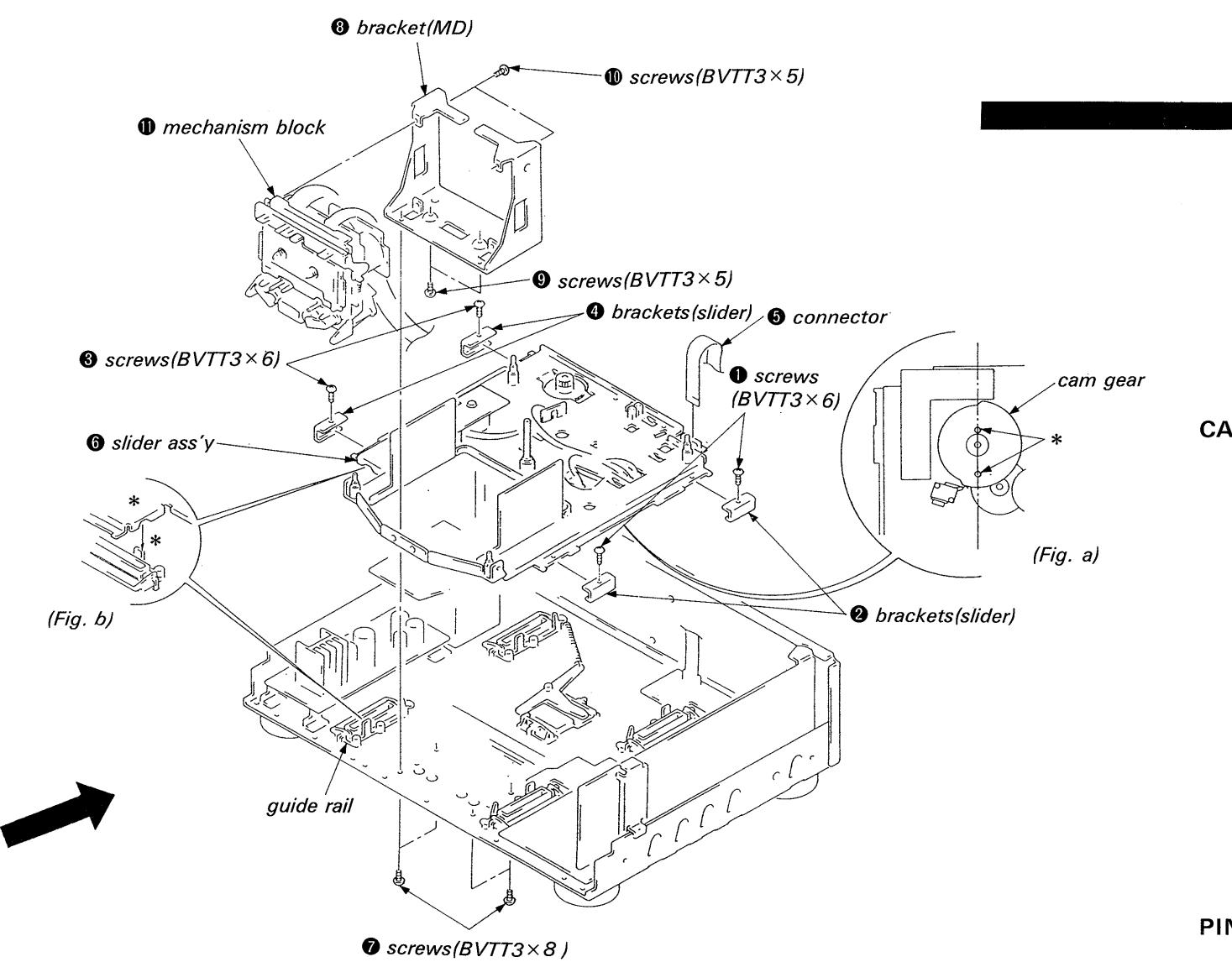
SECTION 2 DISASSEMBLY

NOTE : Follow the disassembly procedure in the numerical order given.

DRUM



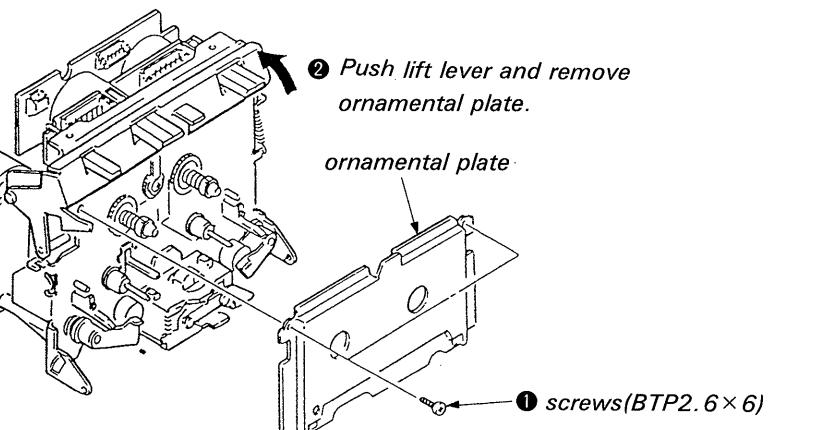
MECHANISM BLOCK



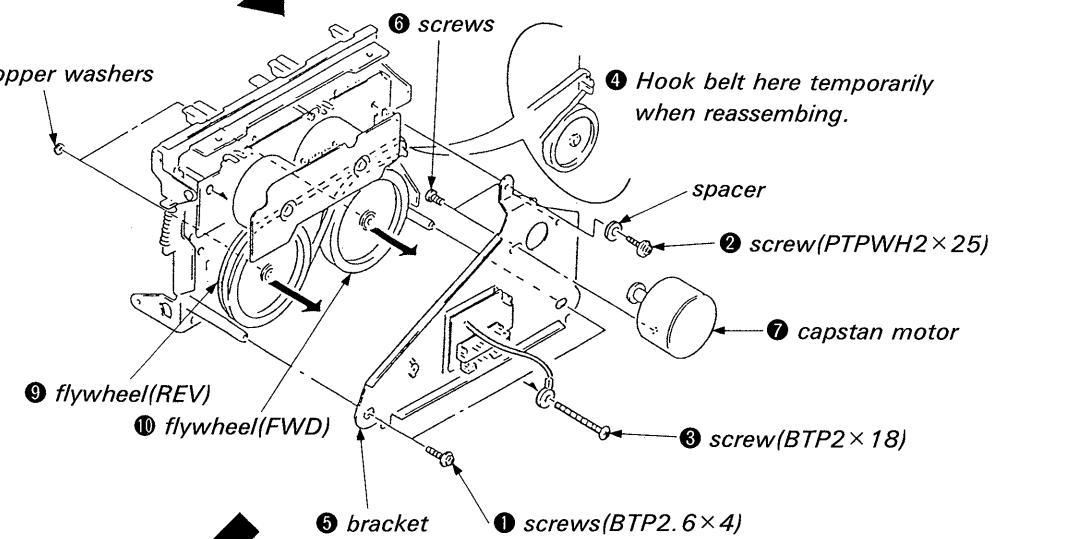
(Installation)

1. Rotate the cam gear so that two bosses marked with * are aligned as shown in Fig. a.
2. Insert the shaft into guide rail while aligning a notched face marked with * with the end face marked with * of guide rail as shown in Fig. b.

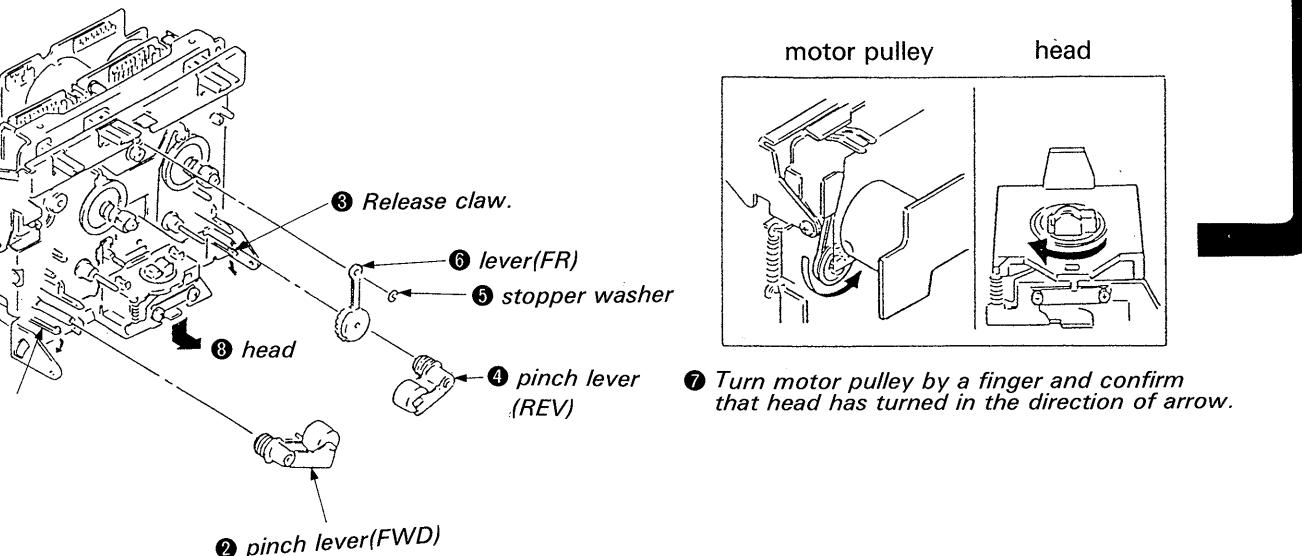
ORNAMENTAL PLATE



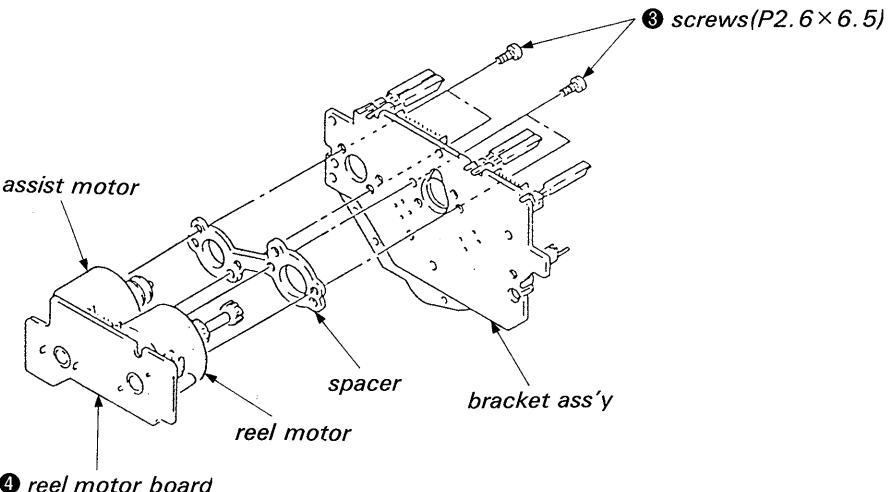
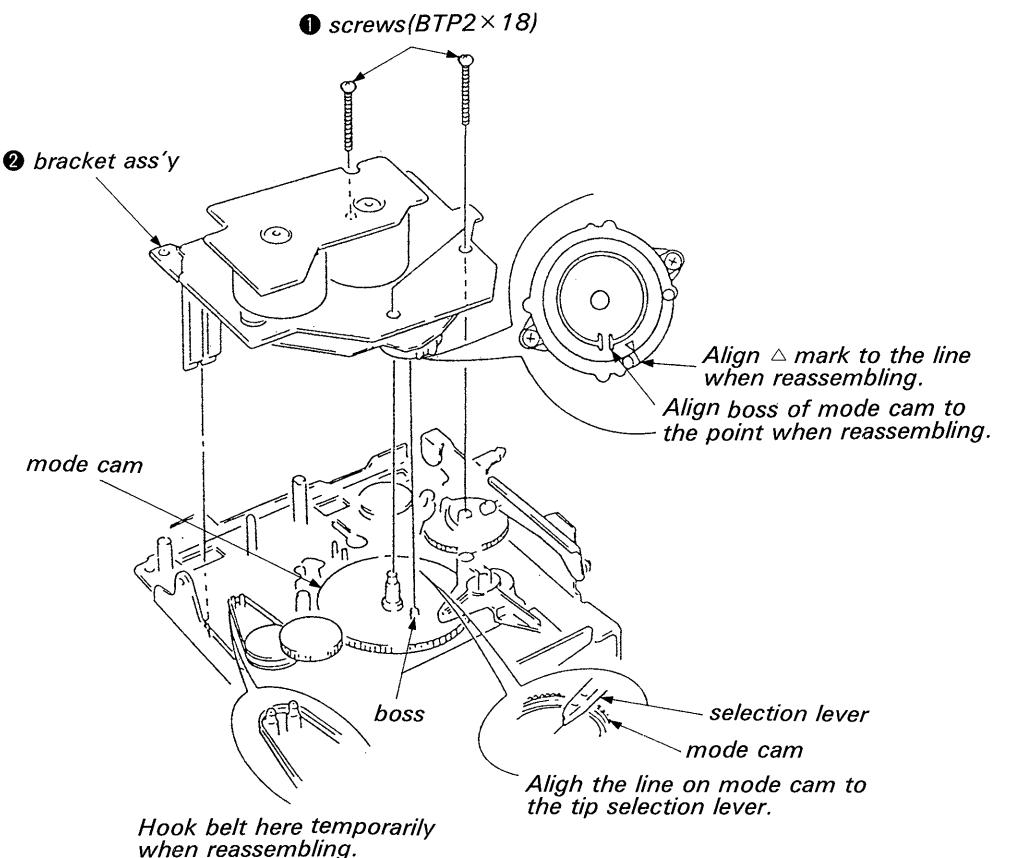
CAPSTAN MOTOR/FLYWHEEL



PINCH LEVER/HEAD



REEL AND ASSIST MOTORS



SECTION 3 MECHANISM OPERATION

1. IN THIS UNIT, TWO MOTORS FOR DRUM AND TRAY ROTATE THE DRUM AND OPEN/CLOSE THE TRAY.

Before explanation of each operation, main mechanical part names and electrical part names are described.

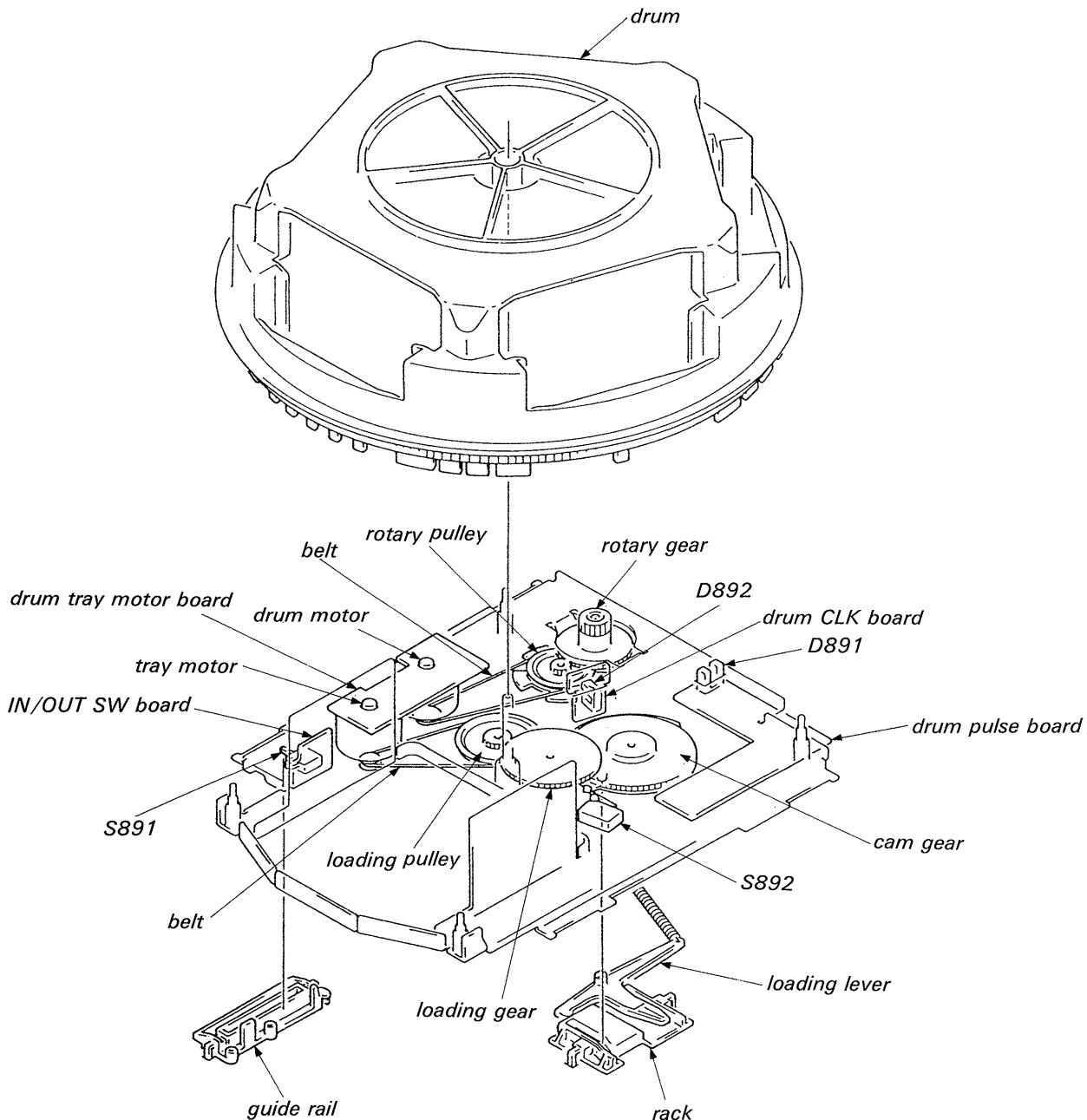


Fig. 1

2. DRUM ROTATION

Drum is driven by the drum motor. As shown in Fig. 2, the drum motor rotates the pulley and rotary gear via belt to rotate the drum.

DETECTION OF CASSETTE HOLDER POSITION

The D891 on the drum pulse board detects the cassette holder position by detecting a slit in the bottom of drum. Holder rotation stop position is detected at the position shown with arrow in Fig. 3, and holder number is detected at Ⓐ position.

The D892 on the drum CLK board detects the drum motor rotation pulses to control the slit detection by D891. Thus, the motor control is executed by double detections.

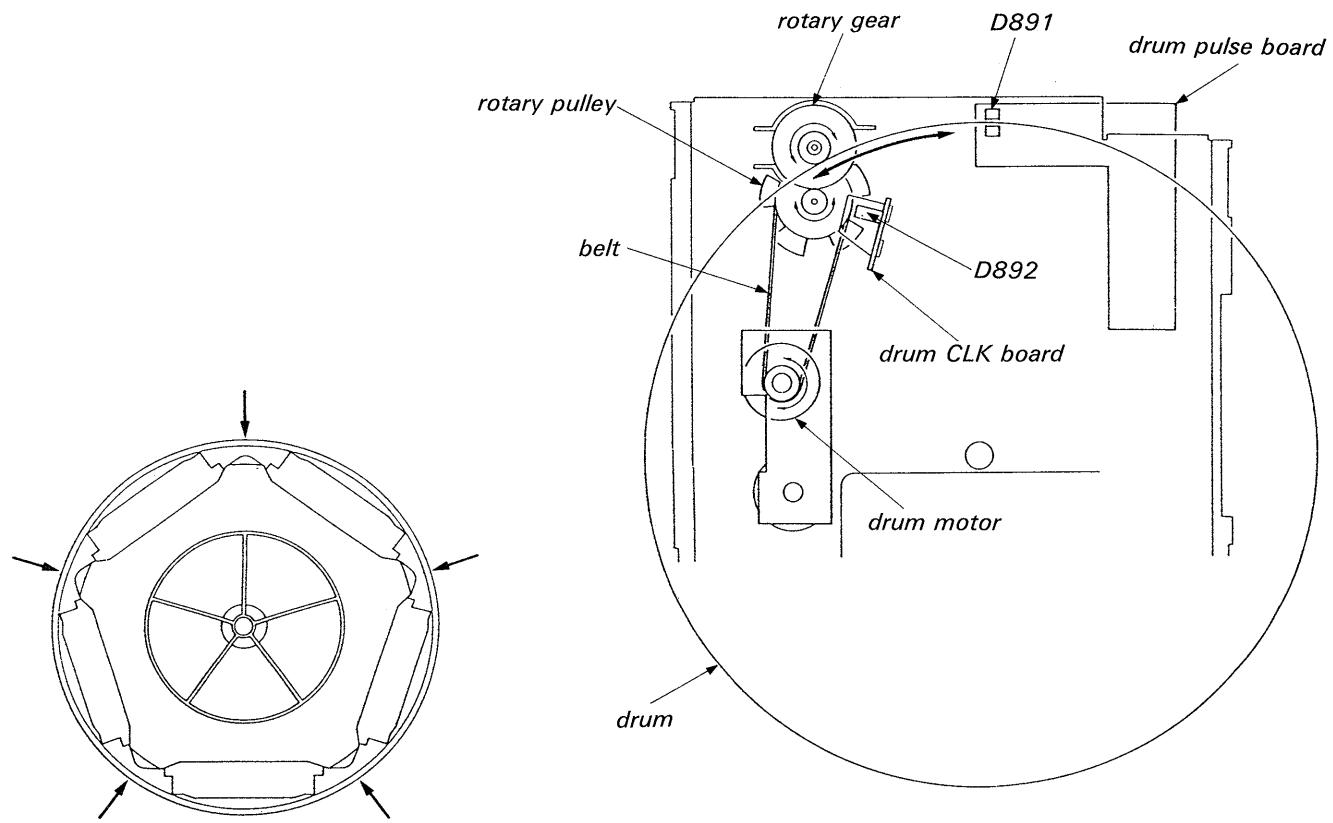


Fig. 2

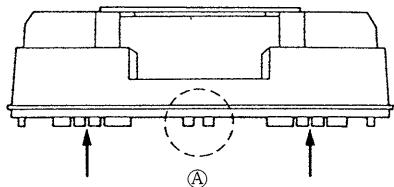


Fig. 3

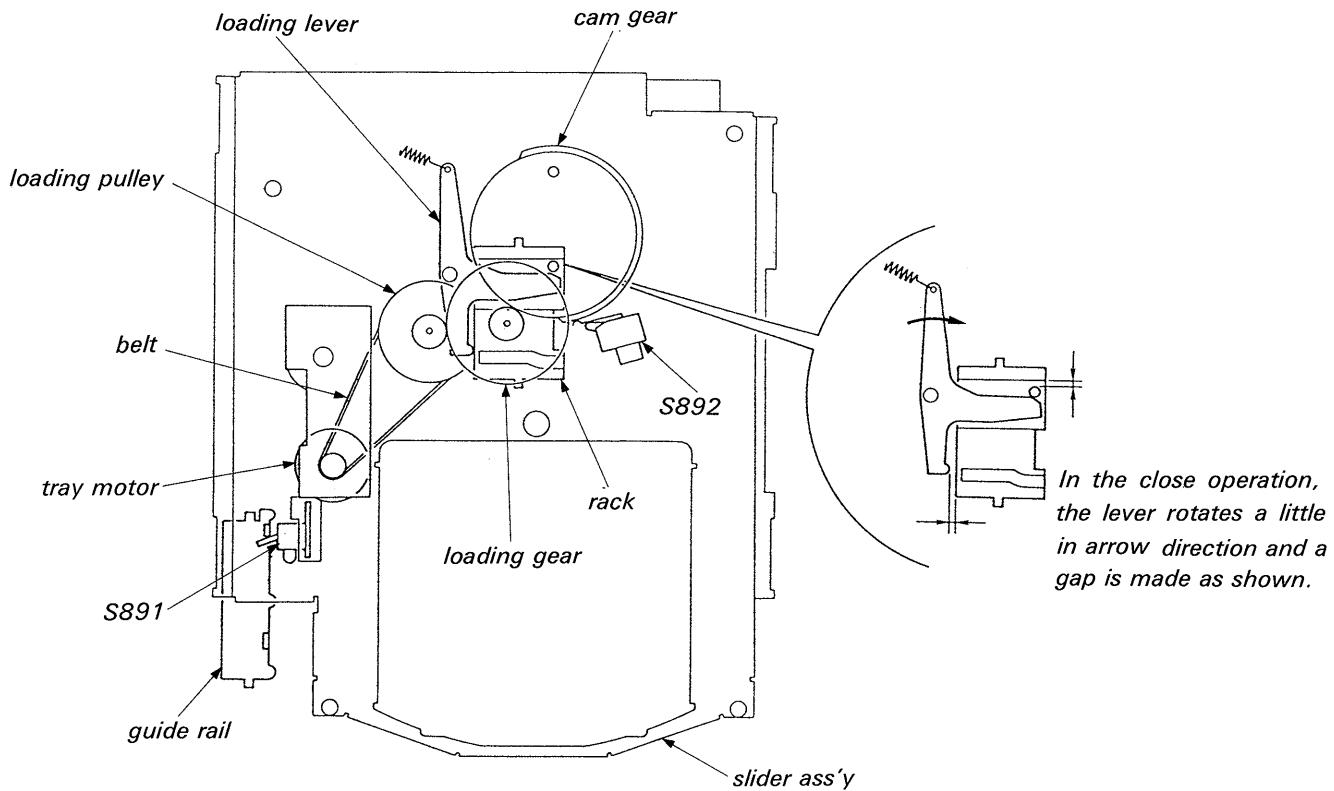


Fig. 4

3. OPEN/CLOSE OPERATION

Fig. 4 shows a close state. Operation from this state to the point where the drum can start to rotate is described below. (Fig. 5)

- (1) The tray motor rotates in arrow direction and the loading pulley rotates in arrow direction via belt.
- (2) Rotation of loading pulley drives the cam gear in arrow direction via loading gear.
- (3) Two bosses of cam gear and rack transform cam gear rotation into linear motion of slider ass'y.
- (4) S892 detects completion of slider ass'y.

The close operation is performed reversely to the above operation and S891 detects completion of close operation. (Fig. 4)

4. OPEN

- (1) Motor, pulley and gear perform the same operation as that up to the position where the drum can start to rotate.
- (2) S891 detects completion of operation by means of guide rail. (Fig. 6)

The close operation is performed reversely to the above operation and S891 detects completion of close operation. (Fig. 4)

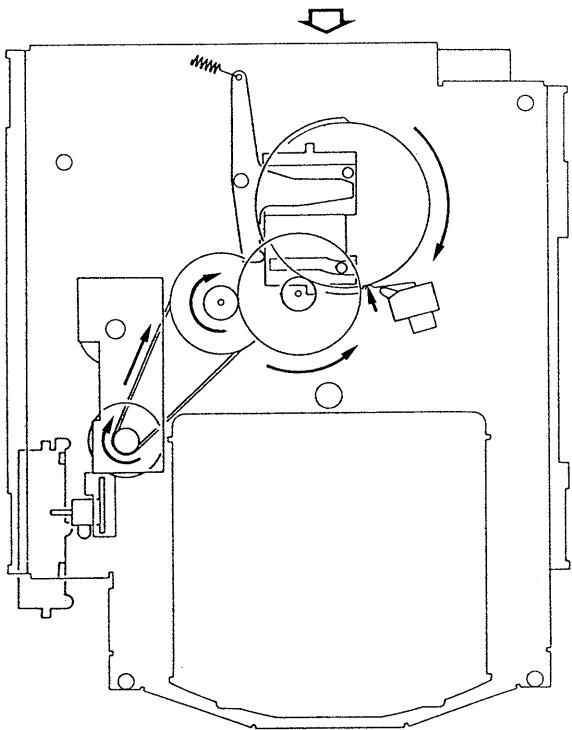


Fig. 5

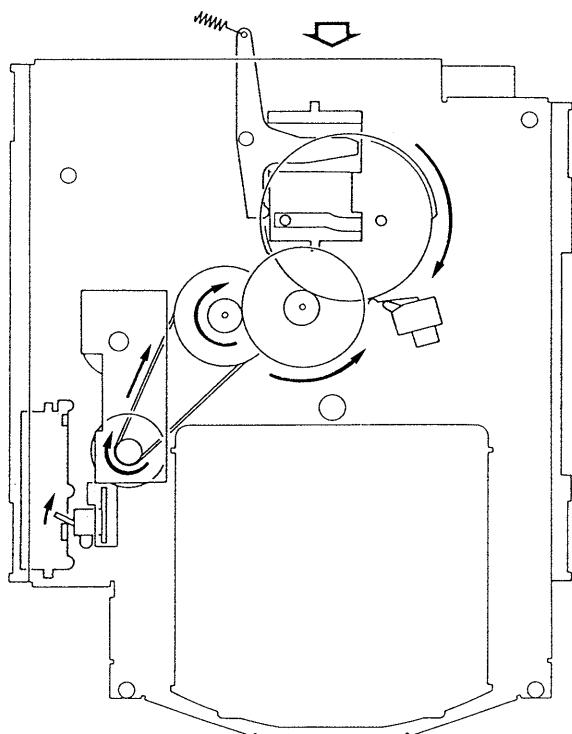


Fig. 6

SECTION 4 ADJUSTMENTS

4-1. MECHANICAL ADJUSTMENTS

PRECAUTION

1. Clean the following parts with a denatured-alcohol-moistened swab :

record/playback /erase head	pinch roller
rubber belts	capstan
idler	
2. Demagnetize the record/playback head with a head demagnetizer.
3. Do not use a magnetized screwdriver for the adjustments.
4. After the adjustments, apply suitable locking compound to the parts adjusted.
5. The adjustments should be performed in the rated power supply voltage unless otherwise noted.

Torque Measurement

Torque	Torque meter	Meter reading
FWD	CQ-102C	30 - 60g·cm (0.42 - 0.83oz·inch)
FWD Back tension	CQ-102C	1 - 5g·cm (0.014 - 0.063oz·inch)
REV	CQ-102RC	30 - 60g·cm (0.42 - 0.83oz·inch)
REV Back tension	CQ-102RC	1 - 5g·cm (0.014 - 0.063oz·inch)
FF, REW	CQ-201B	65 - 100g·cm (0.9 - 1.39oz·inch)

4-2. ELECTRICAL ADJUSTMENTS

Note : The adjustment should be performed in the order given in the service manual. As a rule, adjustments about playback should be performed before those about recording.

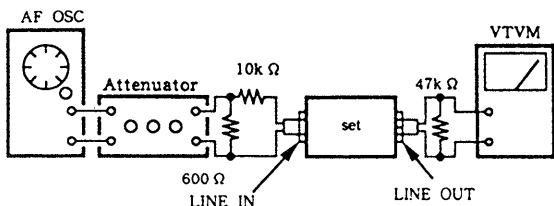
The adjustments should be performed for both L-CH and R-CH.

- Switches and controls should be set as follows unless otherwise specified.

DOLBY NR switch	: OFF
DIRECTION switch	:
TIMER switch	: OFF
- Standard Record :

Deliver the standard input signal level to the input jack and set the REC LEVEL control to obtain the standard output signal level.

-Record Mode-



Standard Input Level

input terminal	LINE IN
source impedance	10k Ω
input level	0.25V (-10dB)

Standard Output Level

output terminal	LINE OUT
load impedance	47k Ω
output level	0.44V (-5dB)

Test tape

Type	Signal	Used for
P-4-A100	10kHz, -10dB	Azimuth Adjustment
P-4-L300	315Hz, 0dB	PB Level Adjustment
WS-48B	3kHz, 0dB	Tape Speed Adjustment

0dB = 0.775V

- The set will get into TEST MODE by shorting the pins of TP801 (TEST) pins 2 and 3 on SYSTEM CONTROL board before turning the power on, and TEST MODE functions as follows :
- Remove a short pin after electrical adjustment is finished.

1. Source monitor
Cancels muting of line signal while recording.

2. Record memory stop

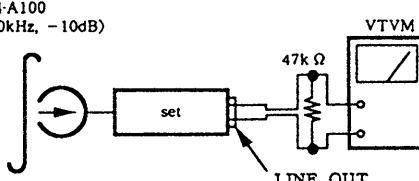
When starting recording, tape counter is reset to zero and counter memory turned on.

Record/Playback/Erase Head Azimuth Adjustment

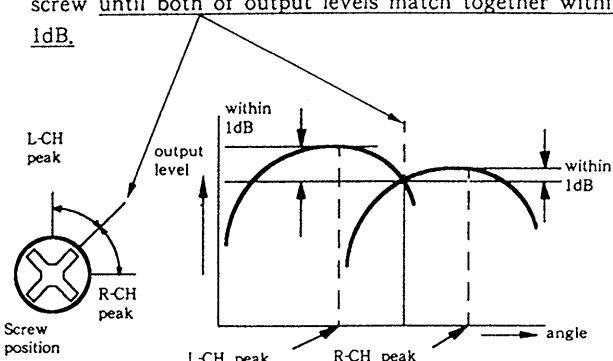
Procedure :

1. Mode : FWD playback

Test tape
P-4-A100
(10kHz, -10dB)

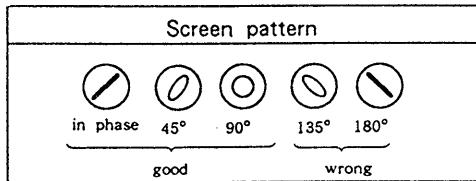
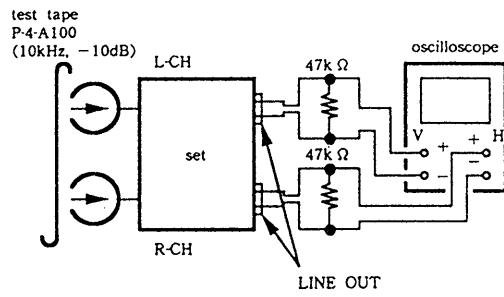


2. Turn the adjustment screw for the maximum output levels. If these levels do not match, turn the adjustment screw until both of output levels match together within 1dB.



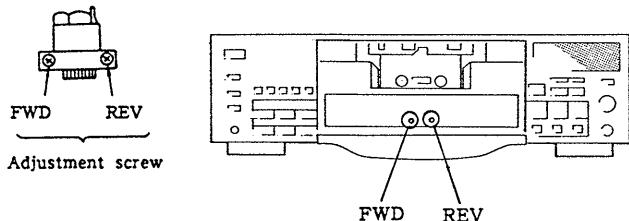
3. Phase Check

Mode : playback



4. Set in the REV mode and repeat the step 1-3.
5. After the adjustment, lock the screws with locking compound.

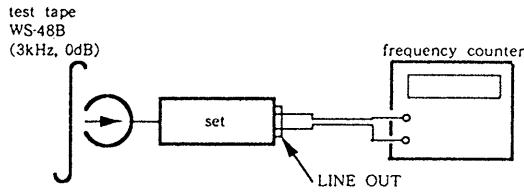
Adjustment Location : Record/Playback /Erase head



Tape Speed Adjustment

Procedure :

Mode : playback



- Set to FWD playback mode.

- Adjust RV881 on SYSTEM CONTROL board so that the frequency counter reading becomes $3,000 \pm 15\text{Hz}$.

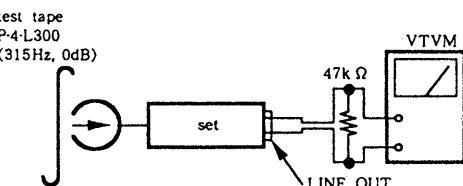
Frequency difference between the beginning and the end of the tape should be within 3%.

Adjustment Location : SYSTEM CONTROL board (See page 18.)

Playback Level Adjustment

Procedure :

Mode : playback



Adjust RV102 (L-ch) and RV202 (R-ch) for so that the reading on VTVM meets the adjustment limits below.

Adjustment Limits :

LINE OUT level : $-7.7\text{dB} \pm 0.5\text{dB}$ (0.3 to 0.34V)

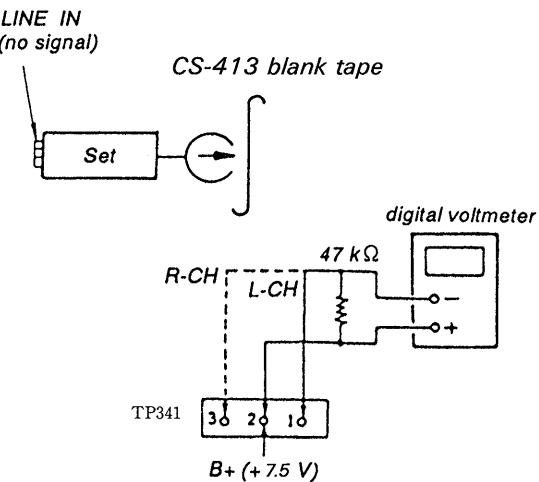
Level difference between channels : less than 0.5dB

Check that the LINE OUT level does not change even if Playback and Stop operation is repeated several times.

Adjustment Location : AUDIO board (See page 18.)

Bias Consumption Current Adjustment

Procedure:



1. Set RV101 and RV201 to mechanical center and turn the set recording mode.
2. Connect digital voltmeter as shown by the following table.
3. Adjust the following transformers for the minimum readings on the digital voltmeter.

	Measurement Point	Adjustment Part	Value
L-ch	② and ①, TP341	T141	not more than
R-ch	② and ③ TP341	T241	130mV

Adjustment Location : AUDIO board (See page 18.)

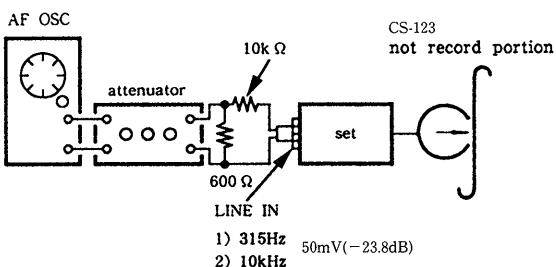
Record Bias Adjustment

Setting :

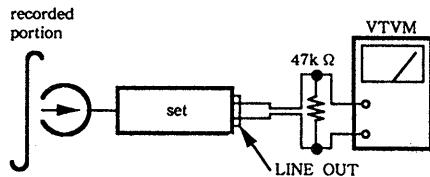
REC LEVEL control : standard Record (See page 15.)
TP801(TEST)pins 2 and 3 : short

Procedure :

1. Mode : record



2. Mode : playback



Playback the signal recorded in step 1.

Confirm that the 10kHz playback output is $0 \pm 0.5\text{dB}$ relative to the 315Hz output. If necessary, adjust RV101 (L-ch) and RV201 (R-ch) for repeat the steps given above.

Adjustment Location : AUDIO board (See page 18.)

Record Level Adjustment

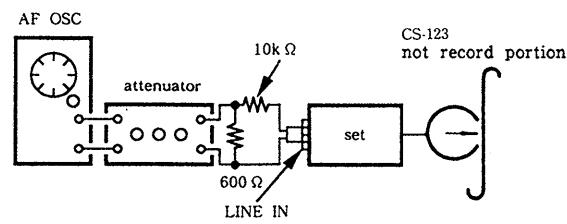
Setting :

REC LEVEL control : Standard Record (See page 15.)

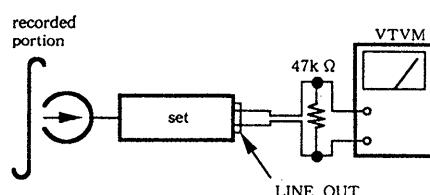
TP801(TEST)pins 2 and 3 : short

Procedure :

1. Mode : record



2. Mode : playback



3. Playback the signal recorded in step 1.

Confirm that the signal level is within the adjustment limits below. If necessary, adjust RV103 (L-ch) and RV203 (R-ch) repeat the step 1-2.

Adjustment Limits : $-23.8\text{dB} \pm 0.5\text{dB}$ (53 to 47.2mV)

Adjustment Location : AUDIO board (See page 18.)

Quick Reverse Sensitivity Adjustment

Conditions :

DIRECTION MODE switch :

Adjustment procedure :

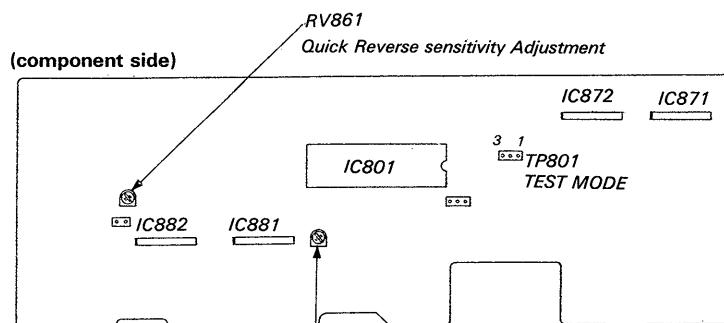


1. Connect the digital voltmeter to test point TP861.
2. Load CS-123 tape cassette and playback the leading portion in FWD mode.
3. Adjust the RV861 for $4.5 \pm 0.5V$ reading on the digital voltmeter.
4. Playback CS-123 tape cassette in FWD mode again.
5. Confirm that the reading on the digital voltmeter is "L" level at the magnetic portion of the tape.
6. Confirm that the tape stop around the tape end (border of the leading and the magnetic portions).

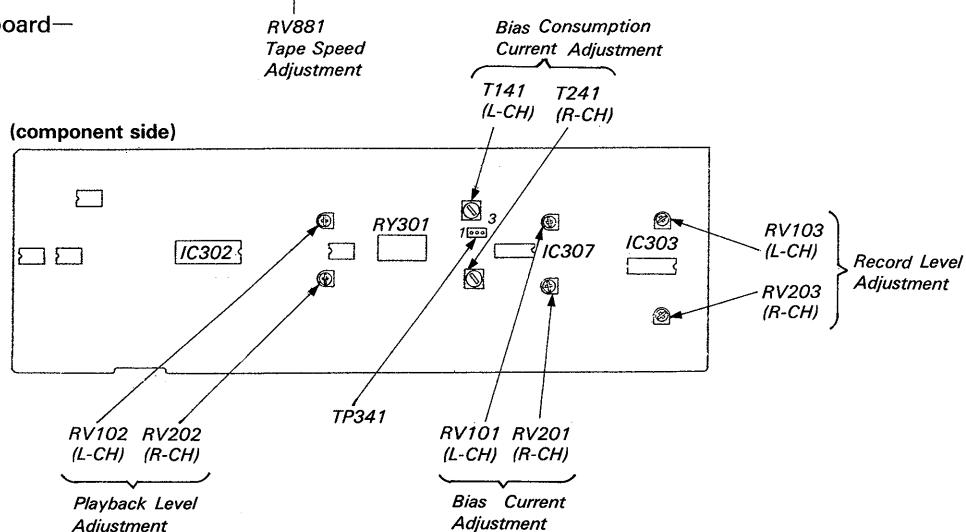
Adjustment Location : SYSTEM CONTROL board

Adjustment Parts Location Diagram

—SYSTEM CONTROL board—



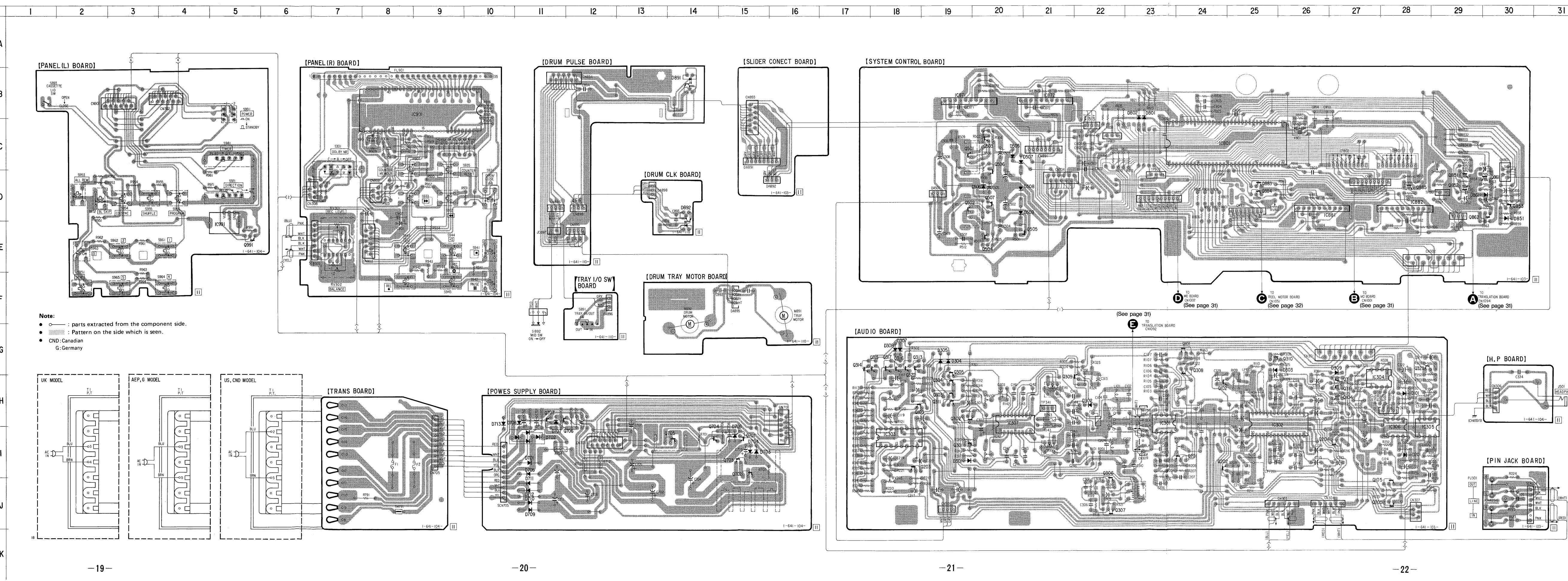
—AUDIO board—



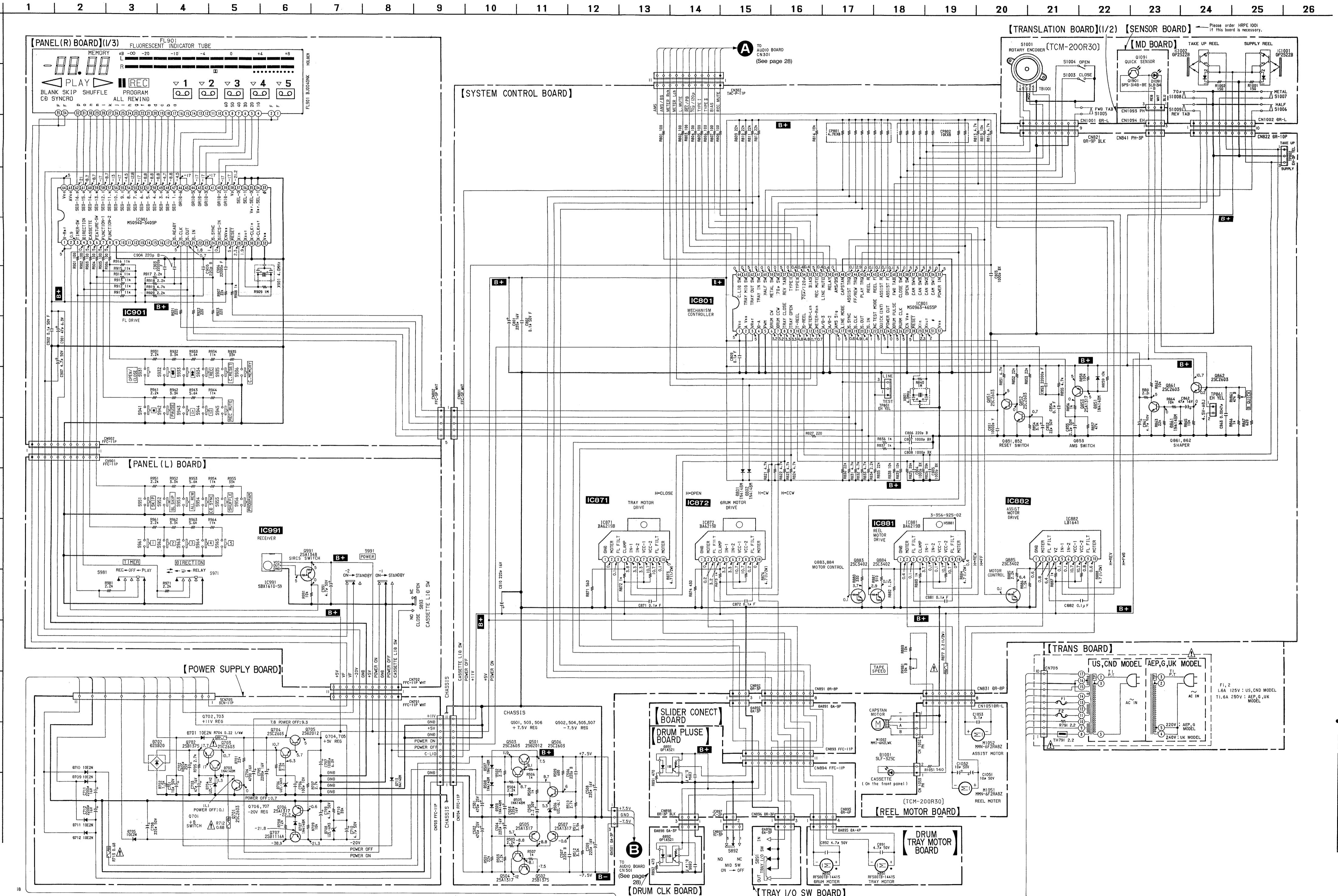
**SECTION 5
DIAGRAMS**

5-1. PRINTED WIRING BOARDS —Audio / System Control—

• see page 23 for Semiconductor Location
• see page 27, 34 for Circuit Boards Location and Semiconductor Lead Layouts.



5-2. SCHEMATIC DIAGRAM —System control Section—

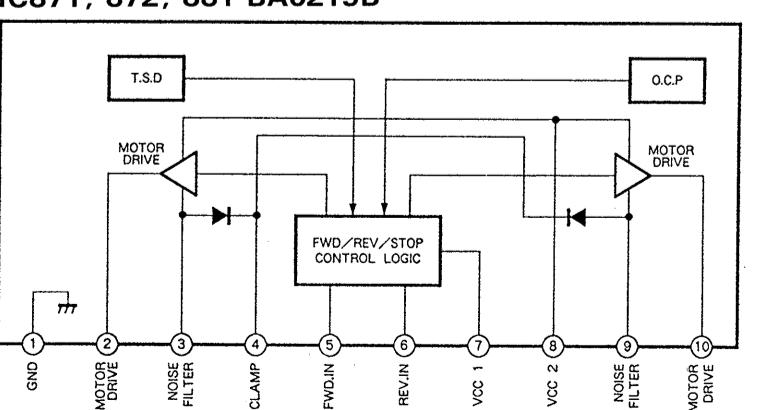


Note:
 • All capacitors are in μ F unless otherwise noted. pF: $\mu\mu$ F 50V or less are not indicated except for electrolytics and tantalums.
 • All resistors are in Ω and $1/4$ W or less unless otherwise specified.
 • % : indicates tolerance.
 • \triangle : internal component.
 • \square : fusible resistor.

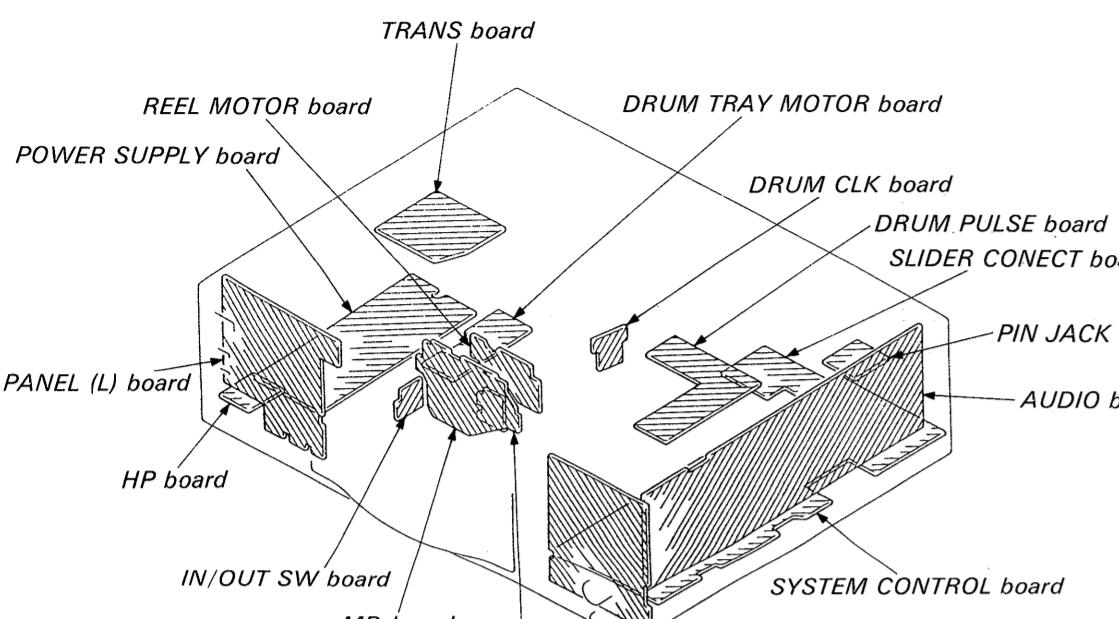
Note:
 Les composants identifiés par une ligne pointée sont critiques pour la sécurité. Replacez-les uniquement par une pièce portant le numéro spécifié.

Note:
 • B+ : B+ Line
 • B- : B- Line
 • no mark : STOP
 • Voltages are taken with a VOM (Input Impedance 10M Ω). Voltage variations may be noted due to normal production tolerances.
 • CND: Canadian
 G: Germany

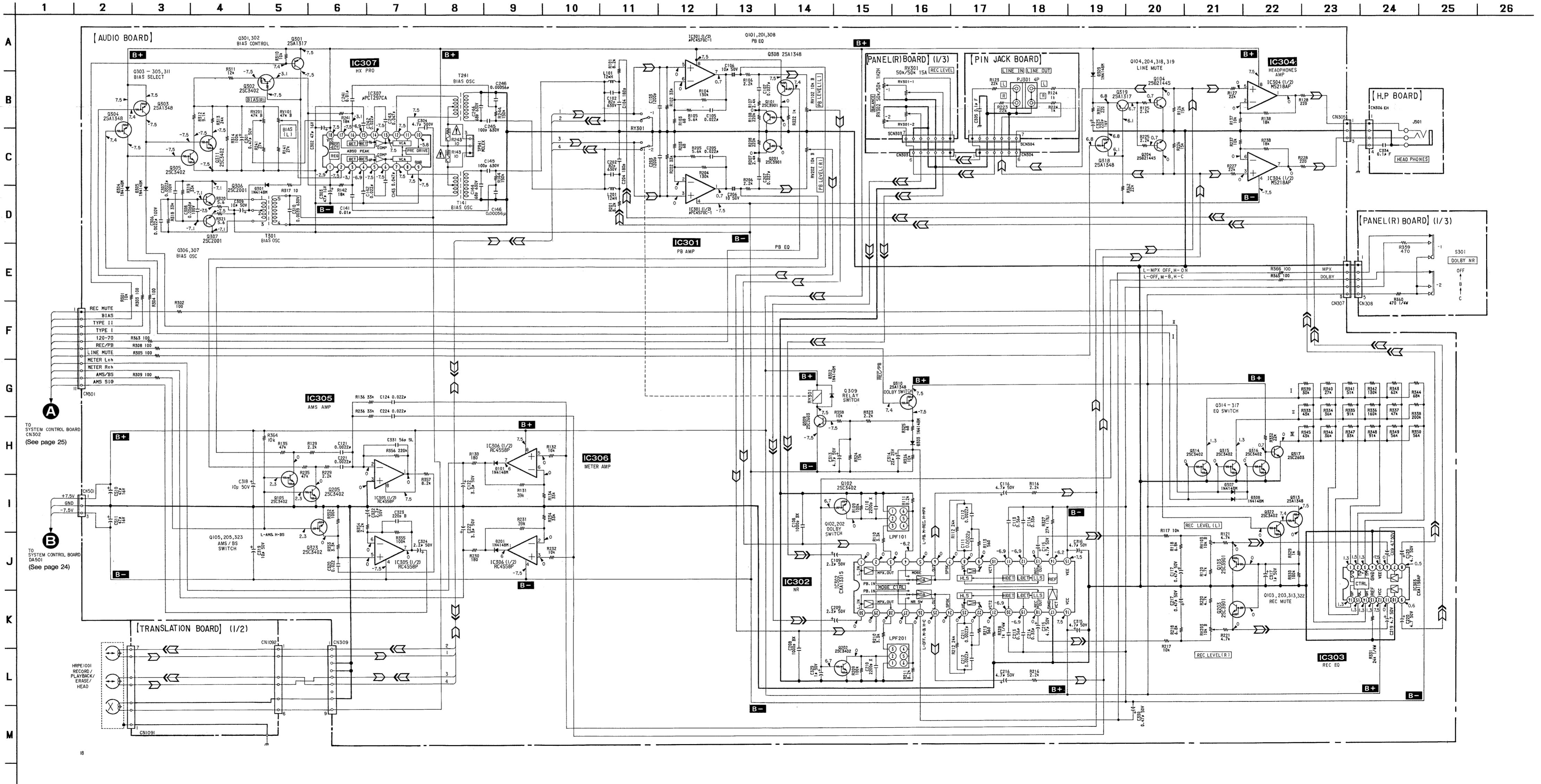
● IC Block Diagram
IC882 LB1641
IC871, 872, 881 BA6219B



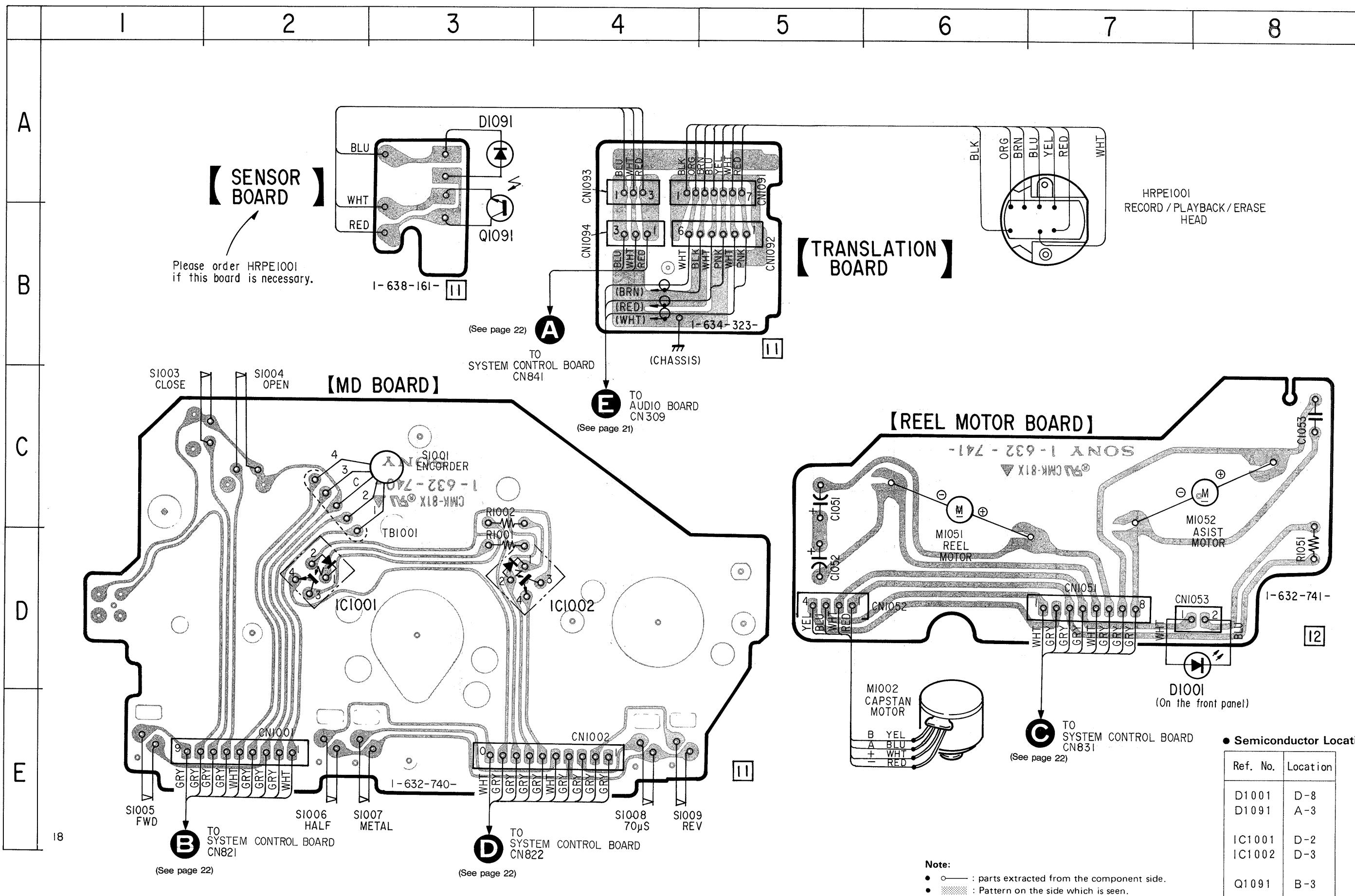
5-3. CIRCUIT BOARDS LOCATION



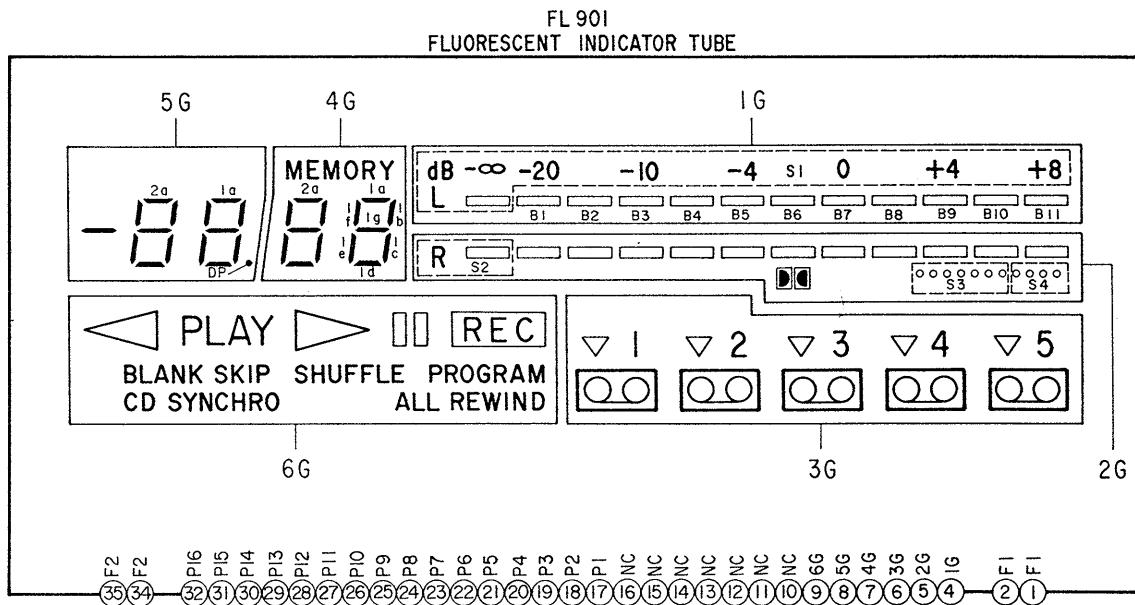
5-4. SCHEMATIC DIAGRAM — Audio Section —



5-5. PRINTED WIRING BOARDS — MD Section—



• Fluorescent Indicator Tube

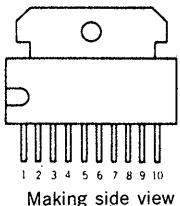


ANODE CONNECTION

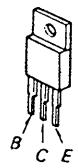
	6G	5G	4G	3G	2G	1G
P1	◀	1a	1a	▽ (1)	S2	SI
P2	PLAY	1b	1b	—	B1	B1
P3	▶	1c	1c	○○ (1)	B2	B2
P4		1d	1d	▽ (2)	B3	B3
P5	REC	1e	1e	2	B4	B4
P6	—	1f	1f	○○ (2)	B5	B5
P7	—	1g	1g	▽ (3)	B6	B6
P8	—	DP	—	3	B7	B7
P9	BLANK SKIP	2a	2a	○○ (3)	□□	—
P10	SHUFFLE	2b	2b	▽ (4)	B8	B8
P11	PROGRAM	2c	2c	4	B9	B9
P12	—	2d	2d	○○ (4)	B10	B10
P13	CD SYNCHRO	2e	2e	▽ (5)	B11	B11
P14	ALL REWIND	2f	2f	5	S3	—
P15	—	2g	2g	○○ (5)	S4	—
P16	—	—	MEMORY	—	—	—

● Semiconductor Lead Layouts

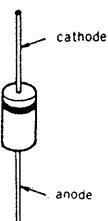
**BA6219B
LB1641**



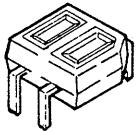
**2SA473
2SD2012**



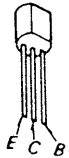
**UZL-11H2
1SS120
10E2N**



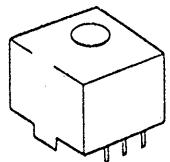
GP2S22B



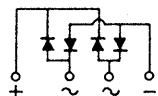
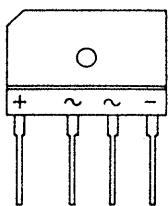
**2SB1116A-L
2SC2001-M**



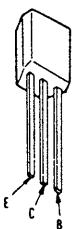
SBX1610-59



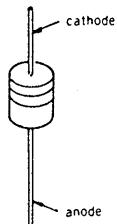
D2SB20



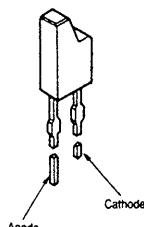
**DTA114ES
DTC114ES
DTC143TS
2SA1317-STU
2SC2603-EF
2SD2144S**



**HZS6A1L
HZS6B3L
HZS6C3L**



SLR314D



SECTION 6 EXPLODED VIEWS

NOTE:

- -XX, -X mean standardized parts, so they may have some differences from the original one.

• Color Indication of Appearance Parts

Example:

KNOB, BALANCE(WHITE)...(RED)

↑ ↑
Parts color Cabinet's color

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

- The mechanical parts with no reference number in the exploded views are not supplied.

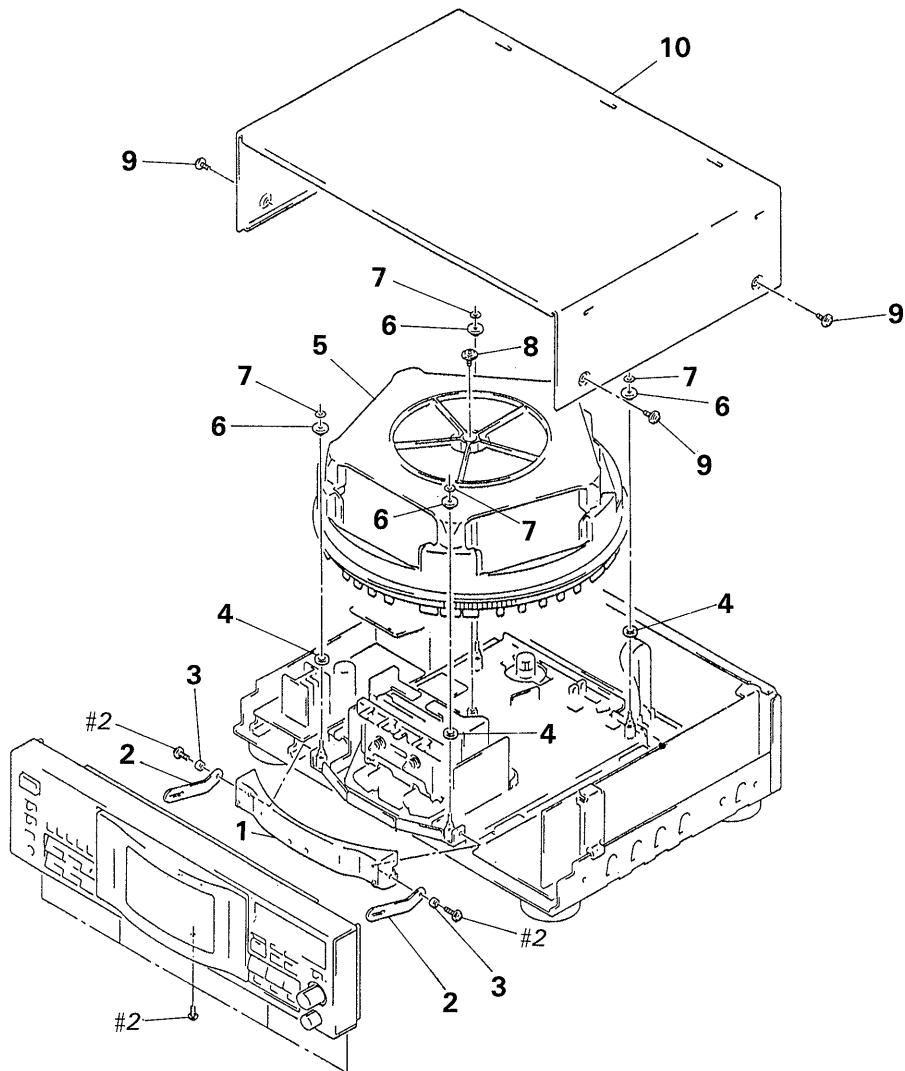
- hardware (#mark) list is given in the last of this parts list.

- G : Germany

The components identified by mark or dotted line with mark are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

6-1. DRUM SECTION

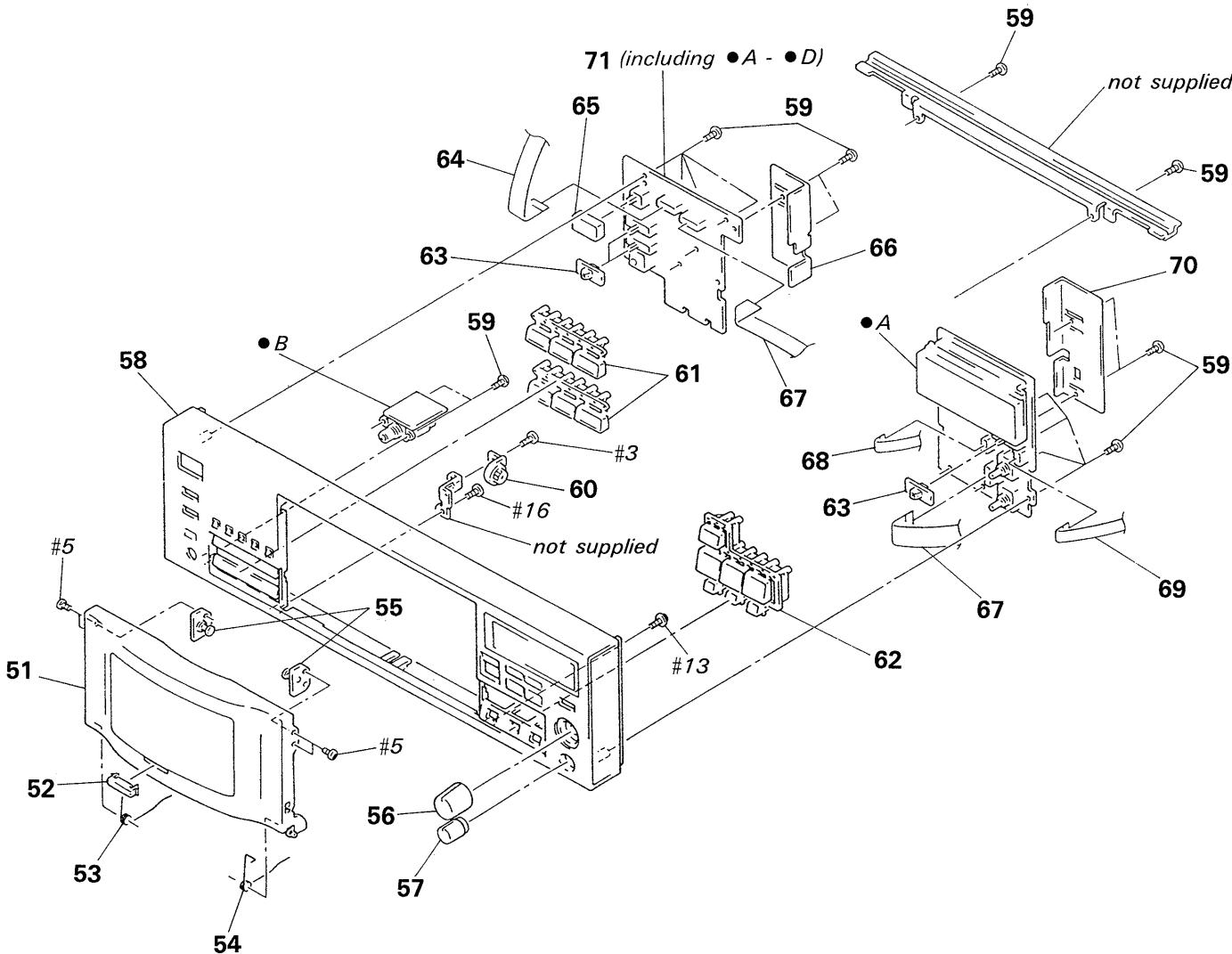


Ref. No.	Part No.	Description	Remark
1	3-372-439-01	COVER	
2	* 3-372-729-01	LEVER (HINGE)	
3	3-372-773-01	COLLAR	
4	3-372-530-01	ROLLER (DRUM B)	
5	* 3-372-532-01	DRUM	

Ref. No.	Part No.	Description	Remark
6	3-372-529-01	ROLLER (DRUM)	
7	3-558-708-21	WASHER, STOPPER	
8	3-372-528-01	SCREW (M3X6), SPECIAL	
9	3-704-366-01	SCREW (CASE) (M3X8)	
	4-925-039-61	CASE	

6-2. FRONT PANEL SECTION

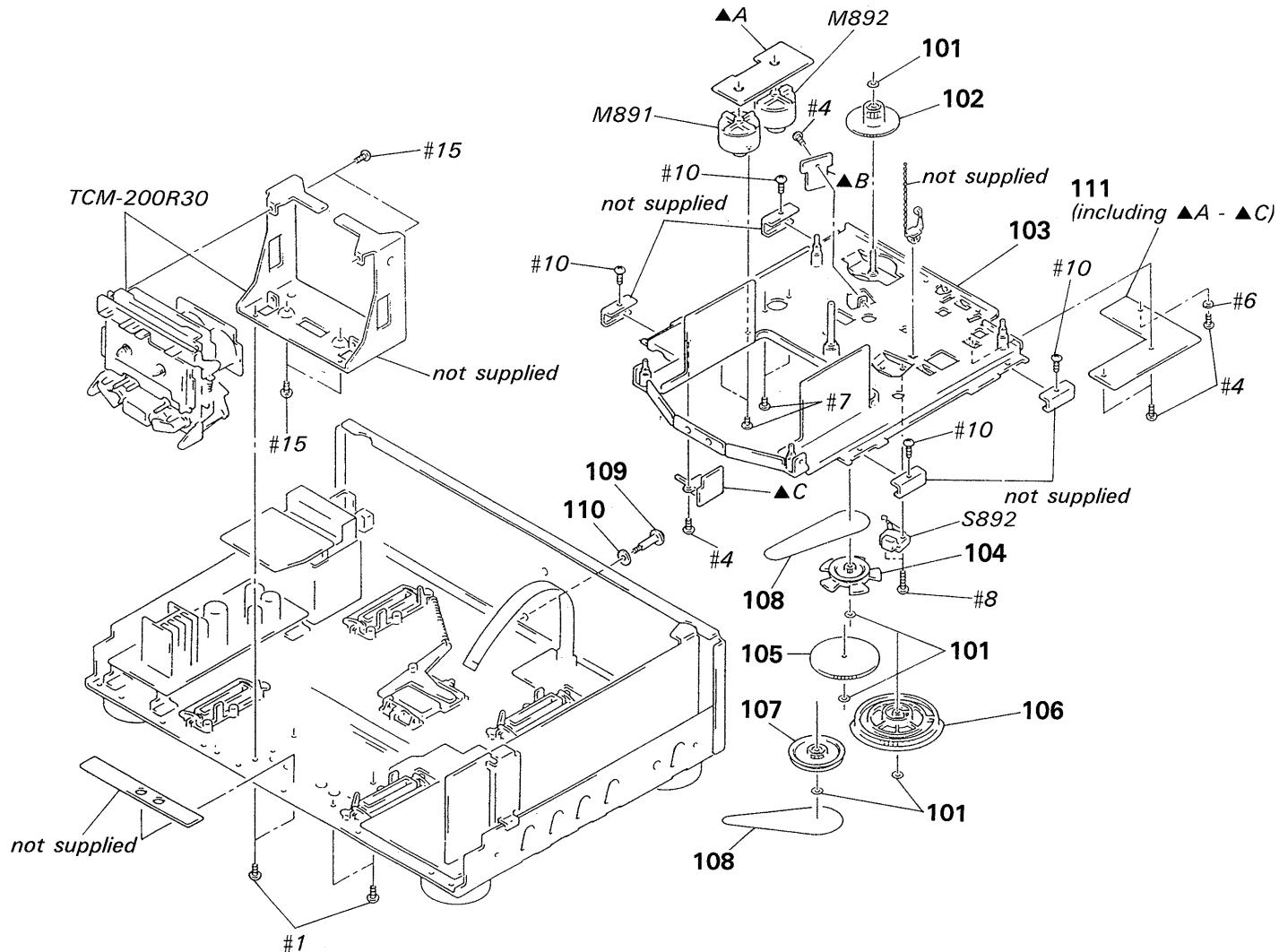
- A : PANEL (R) board
- B : HP board
- C-D : See page 38.



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
51	X-3363-664-1	LID ASSY, CASSETTE		61	3-372-462-01	BUTTON (B)	
52	3-372-474-01	PLATE (A), ORNAMENTAL		62	3-372-464-01	BUTTON (D)	
53	3-372-472-01	SPRING (L), TORSION		63	4-931-421-11	KNOB (T & S)	
54	3-372-473-01	SPRING (R), TORSION		64	1-534-517-00	WIRE, FLAT TYPE (11 CORE)	
55	* X-3363-691-1	BRACKET (HINGE) ASSY		65	4-922-921-01	BUTTON (POWER) 1-590-595-11	
56	4-927-863-01	KNOB (R18)		66	* 3-372-476-01	COVER (L)	
57	3-349-039-11	KNOB (VOL)		67	1-690-319-11	WIRE, FLAT TYPE (11 CORE)	
58	X-3363-663-1	PANEL ASSY, FRONT (U.S., Canadian)		68	1-575-779-11	WIRE, FLAT TYPE (5 CORE)	
58	X-3363-665-1	PANEL ASSY, FRONT (AEP, G, UK)		69	1-575-778-11	WIRE, FLAT TYPE (5 CORE)	
59	4-928-635-01	SCREW, +BV (2.6X8) TAPPING		70	* 3-372-477-01	COVER (R)	
60	3-354-963-01	DAMPER		71	* A-2006-621-A	PANEL POWER BOARD, COMPLETE	

6-3. SLIDER SECTION

- ▲A : DRUM TRAY MOTOR board
- ▲B : DRUM CLK board
- ▲C : IN/OUT SW board

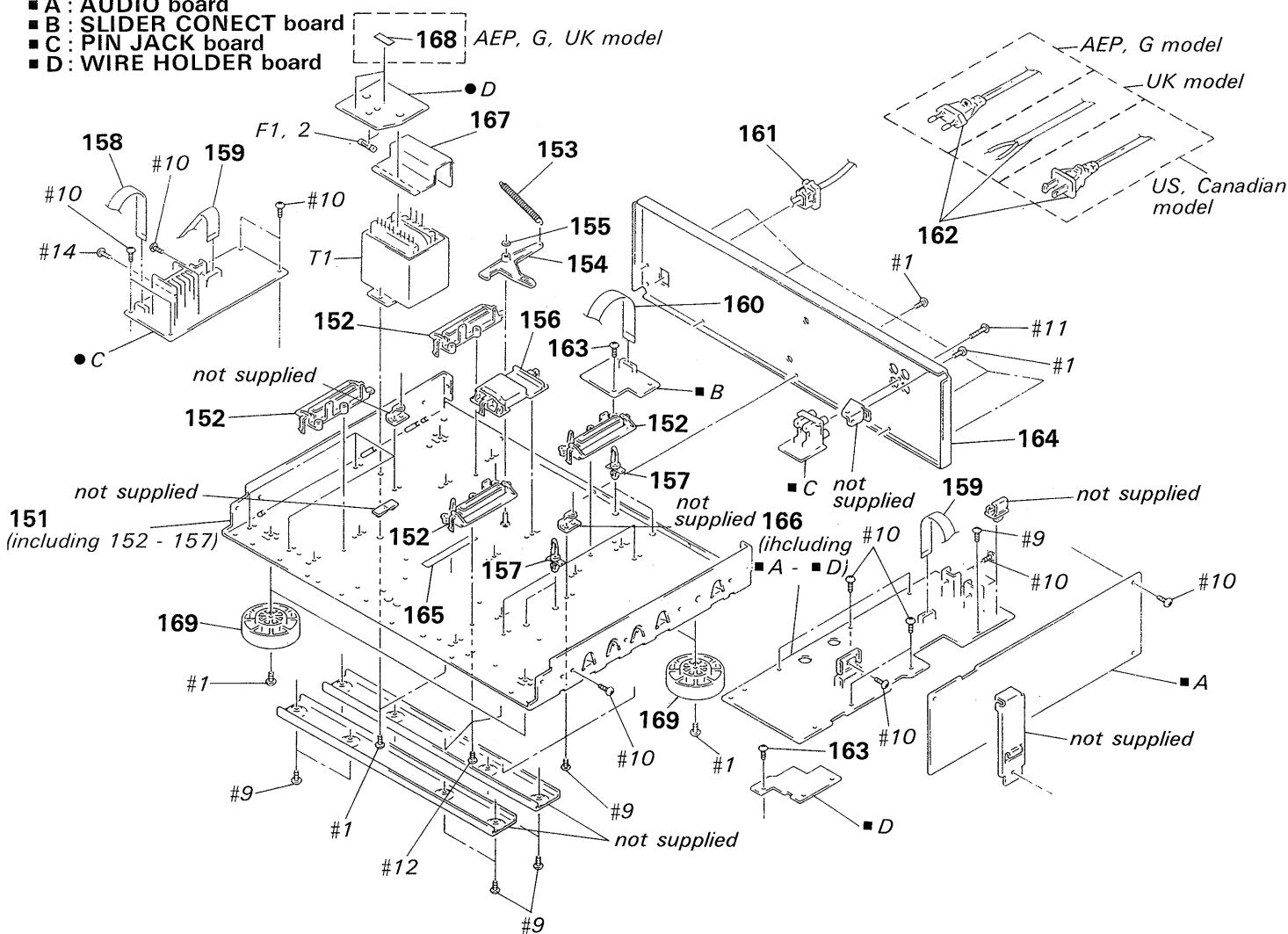


Ref. No.	Part No.	Description	Remark
101	3-558-708-21	WASHER, STOPPER	
102	3-372-519-01	GEAR (ROTARY)	
103	* X-3363-668-1	SLIDER ASSY	
104	3-372-518-01	PULLEY (ROTARY)	
105	3-372-517-01	GEAR (LOADING)	
106	3-372-515-01	GEAR (CAM GEAR)	
107	3-372-516-01	PULLEY (LOADING)	

Ref. No.	Part No.	Description	Remark
108	3-372-514-01	BELT (LOADING)	
109	3-372-531-01	SCREW, TRANSPORT	
110	4-930-282-01	WASHER (T), POLY-SLIDER	
111	* 1-641-110-11	SLIDER BOARD	
M891	X-3363-669-1	MOTOR (TRAY) ASSY	
M892	X-3363-670-1	MOTOR (DRUM) ASSY	
S892	1-572-713-11	SWITCH, PUSH (WITH CONNECTOR) (MID)	

6-4. CHASSIS SECTION

- C : POWER SUPPLY board
- D : TRANS board
- A : AUDIO board
- B : SLIDER CONECT board
- C : PIN JACK board
- D : WIRE HOLDER board

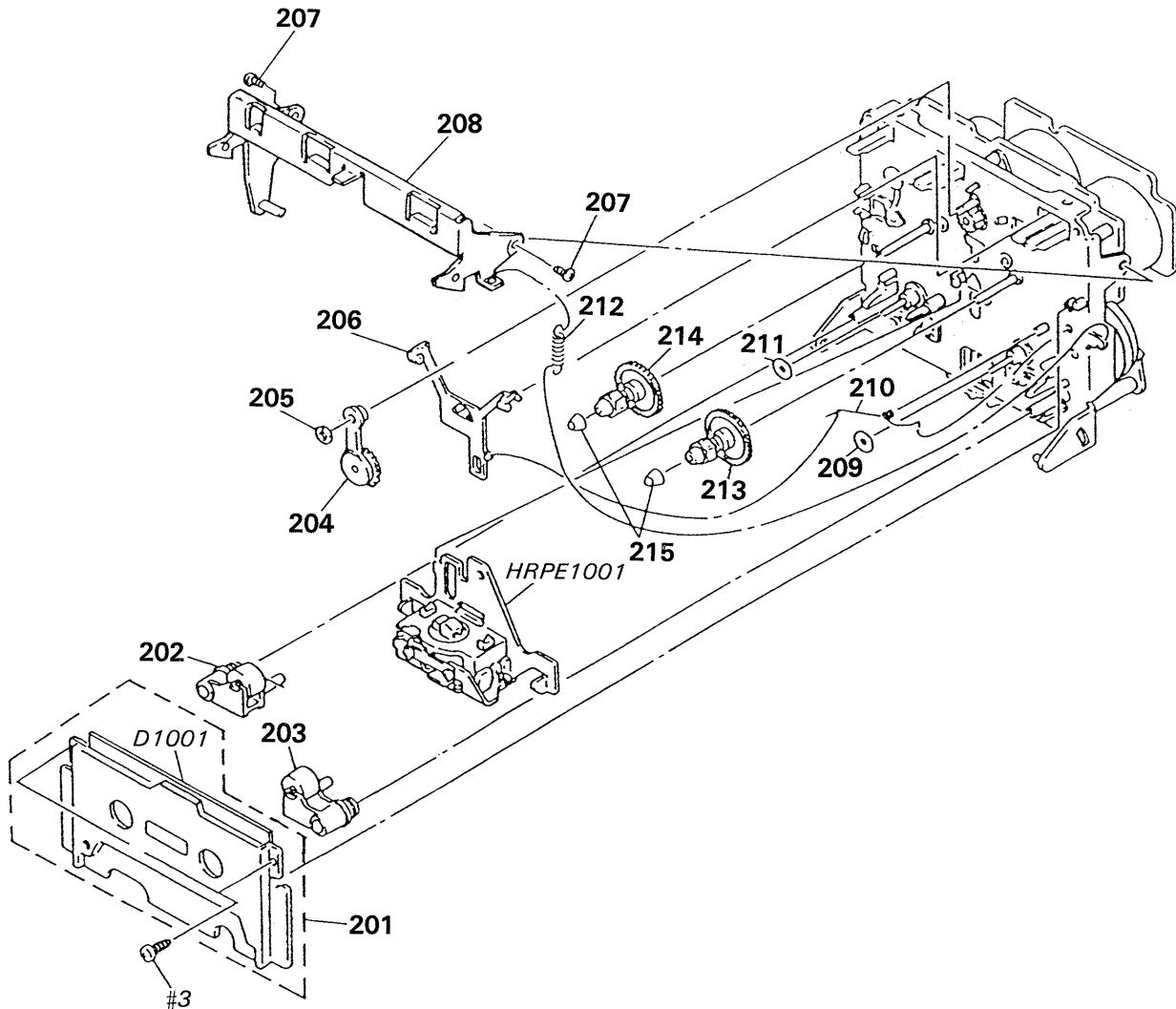


Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
151	* X-3363-671-1	CHASSIS ASSY		164	* 3-371-137-21	PANEL, BACK (G)	
152	3-372-521-01	RAIL, GUIDE		164	* 3-371-137-31	PANEL, BACK (UK)	
153	3-372-525-01	SPRING, TENSION		165	3-831-441-XX	CUSHION (B), CABINET	
154	3-372-523-01	LEVER (LOADING)		166	* A-2006-620-A	AUDIO SYSCON BOARD, COMPLETE	
155	3-558-708-21	WASHER, STOPPER		167	* 3-337-136-11	COVER, TRANSFORMER SAFETY (AEP, G, UK)	
156	3-372-522-01	RACK		167	* 3-372-475-01	COVER, TRANSFORMER SAFETY (US, Canadian)	
157	* 4-924-098-21	HOLDER, PC BOARD		168	3-701-947-13	LABEL (T1.6A), FUSE (AEP, G, UK)	
158	* 1-534-517-00	WIRE, FLAT TYPE (11 CORE)		169	4-943-148-32	FOOT (F581753W) (US, Canadian)	
159	1-690-320-11	WIRE, FLAT TYPE (11 CORE)		169	4-943-148-42	FOOT (F581753W) (AEP, G, UK)	
160	* 1-534-517-00	WIRE, FLAT TYPE (11 CORE)	<i>(1-590-375-11)</i>	F1	▲1-532-259-00	FUSE, TIME-LAG (T1.6A 250V) (AEP, G, UK)	
161	* 3-703-244-00	BUSHING (2104), CORD		F1	▲1-532-742-11	FUSE, GLASS TUBE (1.6A 125V) (US, Canadian)	
162	▲1-555-465-00	CORD, POWER (US, Canadian)		F2	▲1-532-259-00	FUSE, TIME-LAG (T1.6A 250V) (AEP, G, UK)	
162	▲1-555-795-00	CORD, POWER, EULO PLUG (AEP, G)		F2	▲1-532-742-11	FUSE, GLASS TUBE (1.6A 125V) (US, Canadian)	
163	▲1-556-035-00	CORD, POWER (UK)		T1	▲1-450-444-11	TRANSFORMER, POWER (US, Canadian)	
163	4-928-635-01	SCREW, +BV (2.6X8) TAPPING		T1	▲1-450-446-11	TRANSFORMER, POWER (AEP, G, UK)	
164	* 3-371-137-01	PANEL, BACK (US, Canadian)					
164	* 3-371-137-11	PANEL, BACK (AEP)					

The components identified by mark  or dotted line with mark  are critical for safety.
Replace only with part number specified

Les composants identifiés par une marque  sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

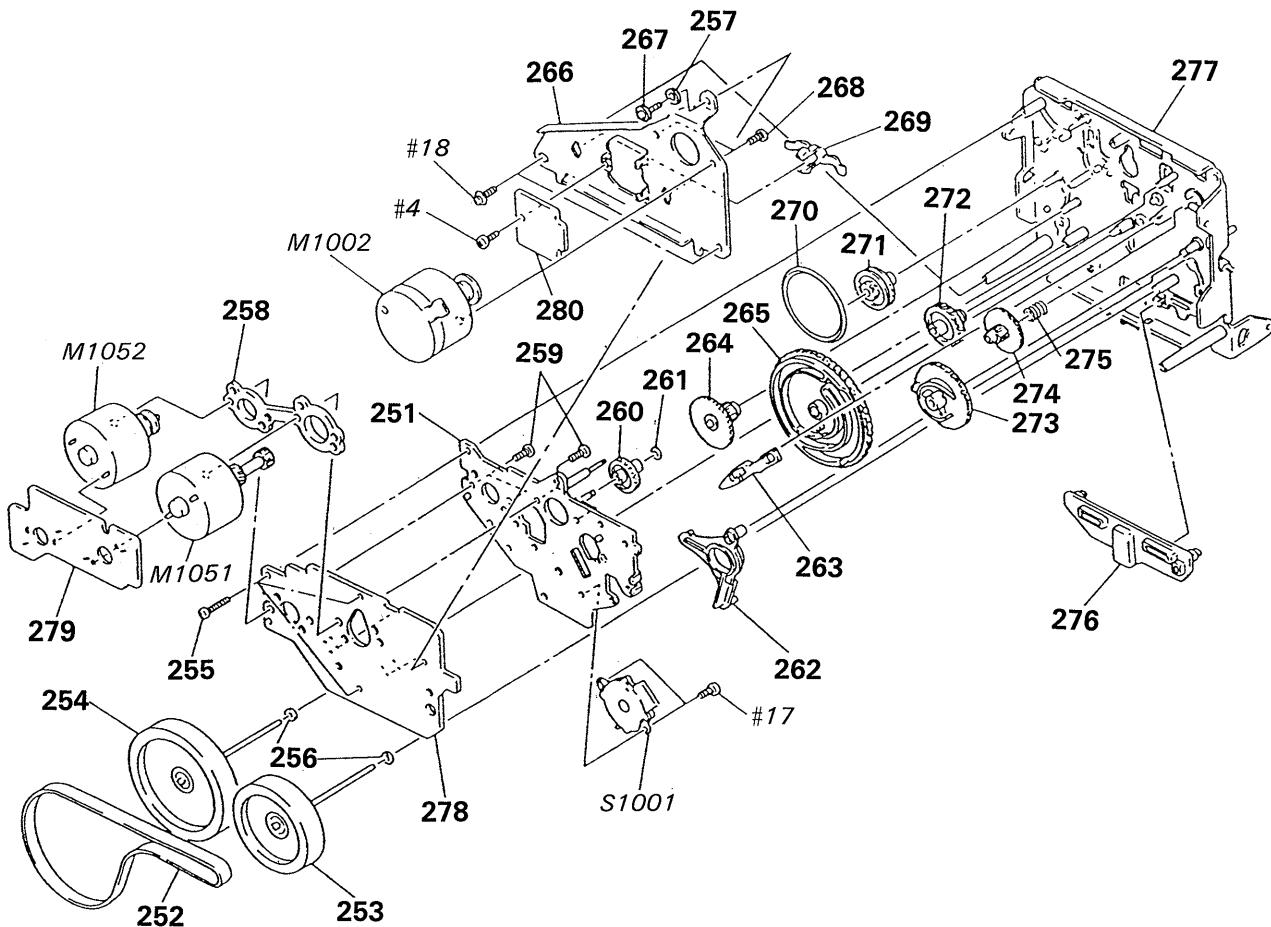
6-5. MECHANISM SECTION 1
TCM-200R30



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
201	X-3356-613-1	PLATE ASSY, ORNAMENTAL		210	3-356-619-01	SPRING (B), TORSION	
202	X-3343-456-1	LEVER (PINCH R) ASSY		211	3-356-714-01	WASHER	
203	X-3343-455-1	LEVER (PINCH F) ASSY		212	3-356-625-01	SPRING, TENSION	
204	X-3356-641-1	LEVER (FR2) ASSY		213	X-3356-627-1	GEAR (A) ASSY	
205	3-669-465-11	WASHER (1.5), STOPPER		214	X-3356-628-1	GEAR (S) ASSY	
206	3-356-614-01	SLIDER (BRAKE)		215	3-362-308-01	CAP (REEL)	
207	3-356-601-11	SCREW, STEP		D1001	8-719-980-85	LED SLF325C	
208	X-3363-367-1	LEVER (LIFTER) ASSY		HRPE1001	A-2003-722-A	SLIDER (R4) COMPLETE ASSY (This parts, if ordered, contains the SENSOR board.)	
209	3-356-713-01	WASHER					

6-6. MECHANISM SECTION 2

TCM-200R30



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
251	* X-3356-602-1	BRACKET (MOTOR R) ASSY		268	4-885-599-00	SCREW, FITTING, REINFORCEMENT	
252	3-356-604-01	BELT (CAPSTAN)		269	3-575-321-00	RETAINER, THRUST, CAPSTAN	
253	X-3363-363-1	FLYWHEEL (R FWD) ASSY		270	3-356-603-01	BELT (MODE)	
254	X-3363-364-1	FLYWHEEL (R REV) ASSY		271	3-356-607-01	PULLEY (MODE)	
255	3-355-801-01	SCREW (BTP 2X18)		272	3-356-703-01	GEAR (COMMUNICATION C)	
256	3-356-705-01	WASHER (CAPSTAN)		273	3-356-616-01	GEAR (LOADING CAM)	
257	* 3-356-718-01	SPACER (THRUST RETAINER R)		274	3-356-609-01	GEAR (LOADING)	
258	* 3-356-628-01	SPACER (MOTOR)		275	3-356-605-01	SPRING, COMPRESSION	
259	3-363-804-01	SCREW (+P 2.6X6.5)		276	3-356-612-01	SLIDER (REVERSE)	
260	3-356-702-01	GEAR (COMMUNICATION B)		277	X-3363-365-1	CHASSIS COMPLETE ASSY	
261	3-669-465-00	WASHER (1.5), STOPPER		278	* 1-632-740-11	MD BOARD	
262	3-356-613-01	LEVER (MODE)		279	* 1-632-741-11	REAL MOTOR BOARD	
263	3-356-617-01	LEVER (SELECTION)		280	* 1-634-323-11	TRANSLATION BOARD	
264	3-356-606-01	GEAR (MODE)		M1002	X-3356-605-1	MOTOR (CAPSTAN R) ASSY	
265	3-356-615-01	GEAR (MODE CAM RR)		M1051	X-3356-638-1	MOTOR (REEL R) ASSY	
266	* 3-356-629-01	BRACKET (THRUST RETAINER R)		M1052	X-3356-604-1	MOTOR (ASSIST) ASSY	
267	3-356-707-01	SCREW (+PTPWH 2X25)		S1001	1-466-525-11	ENCODER, ROTARY	

SECTION 7

ELECTRICAL PARTS LIST

AUDIO SYSCON**NOTE:**

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX, -X mean standardized parts, so they may have some differences from the original one.
- **RESISTORS**
All resistors are in ohms
METAL: Metal-film resistor
METAL OXIDE: Metal Oxide-film resistor
F: nonflammable

• Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

• **SEMICONDUCTORS**

In each case, u: μ , for example:

uA...: μ A..., uPA...: μ PA...,
uPB...: μ PB..., uPC...: μ PC...,
uPD...: μ PB...

• **CAPACITORS**

uF: μ F

• **COILS**

uH: μ H

• G : Germany

When indication parts by reference number, please include the board name.

The components identified by mark or dotted line with mark are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
		* A-2006-620-A AUDIO SYSCON BOARD, COMPLETE (including SYSTEM CONTROL BOARD, AUDIO BOARD, SLIDER CONECT BOARD, PIN JACK BOARD)		C145	1-136-433-11	FILM	100PF 5% 630V
		*****		C146	1-130-468-00	MYLAR	560PF 5% 50V
				C202	1-136-274-11	FILM	82PF 5% 630V
				C203	1-164-736-31	CERAMIC	0.0012uF 10% 50V
				C204	1-162-285-31	CERAMIC	180PF 10% 50V
		*		C205	1-136-157-00	FILM	0.022uF 5% 50V
		3-309-144-21 HEAT SINK		C206	1-124-657-00	ELECT	10uF 20% 50V
		*		C207	1-136-158-00	FILM	0.027uF 5% 50V
		3-346-266-12 PLATE, GROUND		C208	1-162-294-31	CERAMIC	0.001uF 10% 50V
		*		C209	1-124-925-11	ELECT	2.2uF 20% 100V
		3-356-925-01 HEAT SINK					
		7-682-547-04 SCREW +BVTT 3X6 (S)					
		< CAPACITOR >					
C102	1-136-274-11	FILM	82PF 5% 630V	C210	1-161-375-00	CERAMIC	0.0022uF 20% 50V
C103	1-164-736-31	CERAMIC	0.0012uF 10% 50V	C211	1-130-475-00	MYLAR	0.0022uF 5% 50V
C104	1-162-285-31	CERAMIC	180PF 10% 50V	C212	1-130-475-00	MYLAR	0.0022uF 5% 50V
C105	1-136-157-00	FILM	0.022uF 5% 50V	C213	1-136-174-00	FILM	0.56uF 5% 50V
C106	1-124-657-00	ELECT	10uF 20% 50V	C214	1-136-171-00	FILM	0.33uF 5% 50V
C107	1-136-158-00	FILM	0.027uF 5% 50V	C215	1-124-927-11	ELECT	4.7uF 20% 100V
C108	1-162-294-31	CERAMIC	0.001uF 10% 50V	C216	1-124-927-11	ELECT	4.7uF 20% 100V
C109	1-124-925-11	ELECT	2.2uF 20% 100V	C217	1-124-902-00	ELECT	0.47uF 20% 50V
C110	1-161-375-00	CERAMIC	0.0022uF 20% 50V	C219	1-124-927-11	ELECT	4.7uF 20% 100V
C111	1-130-475-00	MYLAR	0.0022uF 5% 50V	C220	1-124-927-11	ELECT	4.7uF 20% 100V
C112	1-130-475-00	MYLAR	0.0022uF 5% 50V	C221	1-130-475-00	MYLAR	0.0022uF 5% 50V
C113	1-136-174-00	FILM	0.56uF 5% 50V	C222	1-123-382-00	ELECT	3.3uF 20% 100V
C114	1-136-171-00	FILM	0.33uF 5% 50V	C224	1-136-157-00	FILM	0.022uF 5% 50V
C115	1-124-927-11	ELECT	4.7uF 20% 100V	C241	1-136-153-00	FILM	0.01uF 5% 50V
C116	1-124-927-11	ELECT	4.7uF 20% 100V	C242	1-136-157-00	FILM	0.022uF 5% 50V
C117	1-124-902-00	ELECT	0.47uF 20% 50V	C243	1-136-161-00	FILM	0.047uF 5% 50V
C119	1-124-927-11	ELECT	4.7uF 20% 100V	C244	1-136-272-00	FILM	68PF 5% 630V
C120	1-124-927-11	ELECT	4.7uF 20% 100V	C245	1-136-433-11	FILM	100PF 5% 630V
C121	1-130-475-00	MYLAR	0.0022uF 5% 50V	C246	1-130-468-00	MYLAR	560PF 5% 50V
C122	1-123-382-00	ELECT	3.3uF 20% 100V	C301	1-124-902-00	ELECT	0.47uF 20% 50V
C124	1-136-157-00	FILM	0.022uF 5% 50V	C302	1-124-477-11	ELECT	47uF 20% 25V
C141	1-136-153-00	FILM	0.01uF 5% 50V	C303	1-124-477-11	ELECT	47uF 20% 25V
C142	1-136-157-00	FILM	0.022uF 5% 50V	C304	1-107-046-00	MICA	4.7PF 500V
C143	1-136-161-00	FILM	0.047uF 5% 50V	C305	1-164-159-11	CERAMIC	0.1uF 50V
C144	1-136-272-00	FILM	68PF 5% 630V	C306	1-136-230-00	FILM	0.0022uF 5% 100V

AUDIO SYSCON

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark	
C307	1-136-230-00	FILM	0.0022uF 5%	100V	C872	1-164-159-11	CERAMIC	0.1uF 50V
C308	1-130-856-00	FILM	0.0068uF 5%	100V	C881	1-164-159-11	CERAMIC	0.1uF 50V
C309	1-124-907-11	ELECT	10uF 20%	50V	C882	1-164-159-11	CERAMIC	0.1uF 50V
C310	1-136-558-11	FILM	0.0039uF 5%	630V				
C313	1-124-927-11	ELECT	4.7uF 20%	100V				< CONNECTOR >
C314	1-126-233-11	ELECT	22uF 20%	50V	CN301	* 1-573-979-11	CONNECTOR, BOARD TO BOARD	11P
C315	1-124-927-11	ELECT	4.7uF 20%	100V	CN302	* 1-573-978-11	CONNECTOR, BOARD TO BOARD	11P
C316	1-124-927-11	ELECT	4.7uF 20%	100V	CN303	* 1-564-509-11	PLUG, CONNECTOR	6P
C317	1-124-903-11	ELECT	1uF 20%	50V	CN304	* 1-564-509-11	PLUG, CONNECTOR	6P
C318	1-124-907-11	ELECT	10uF 20%	50V	CN305	* 1-564-506-11	PLUG, CONNECTOR	3P
C319	1-124-907-11	ELECT	10uF 20%	50V	CN307	* 1-568-824-11	SOCKET, CONNECTOR	5P
C320	1-136-157-00	FILM	0.022uF 5%	50V	CN309	* 1-564-512-11	PLUG, CONNECTOR	9P
C322	1-124-925-11	ELECT	2.2uF 20%	100V	CN501	* 1-564-337-61	PIN, CONNECTOR	3P
C323	1-162-286-31	CERAMIC	220PF 10%	50V	CN704	* 1-568-830-11	SOCKET, CONNECTOR	11P
C324	1-124-925-11	ELECT	2.2uF 20%	100V	CN801	* 1-568-824-11	SOCKET, CONNECTOR	5P
C325	1-124-120-11	ELECT	220uF 20%	25V	CN821	* 1-506-503-61	PIN, CONNECTOR	9P
C329	1-124-903-11	ELECT	1uF 20%	50V	CN822	* 1-564-666-11	PIN, CONNECTOR	10P
C330	1-124-902-00	ELECT	0.47uF 20%	50V	CN831	* 1-564-342-11	PIN, CONNECTOR	8P
C331	1-162-217-31	CERAMIC	56PF 5%	50V	CN841	* 1-564-705-11	PIN, CONNECTOR (SMALL TYPE)	3P
C501	1-124-480-11	ELECT	470uF 20%	25V	CN891	* 1-564-342-11	PIN, CONNECTOR	8P
C502	1-124-480-11	ELECT	470uF 20%	25V	CN892	* 1-564-337-00	PIN, CONNECTOR	3P
C503	1-124-120-11	ELECT	220uF 20%	25V	CN893	* 1-568-830-11	SOCKET, CONNECTOR	11P
C504	1-124-120-11	ELECT	220uF 20%	25V				< COMPOSITION CIRCUIT BLOCK >
C505	1-124-925-11	ELECT	2.2uF 20%	100V				
C506	1-162-286-31	CERAMIC	220PF 10%	50V	CP801	1-233-204-11	COMPOSITION CIRCUIT BLOCK	
C507	1-162-286-31	CERAMIC	220PF 10%	50V	CP802	1-233-199-11	COMPOSITION CIRCUIT BLOCK	
C508	1-124-120-11	ELECT	220uF 20%	25V				< DIODE >
C509	1-124-120-11	ELECT	220uF 20%	25V				
C510	1-124-477-11	ELECT	47uF 20%	25V	D101	8-719-912-20	DIODE	ISS120
C511	1-124-477-11	ELECT	47uF 20%	25V	D201	8-719-912-20	DIODE	ISS120
C801	1-124-120-11	ELECT	220uF 20%	25V	D301	8-719-912-20	DIODE	ISS120
C802	1-164-159-11	CERAMIC	0.1uF 50V		D302	8-719-912-20	DIODE	ISS120
C803	1-162-294-31	CERAMIC	0.001uF 10%	50V	D303	8-719-912-20	DIODE	ISS120
C804	1-162-294-31	CERAMIC	0.001uF 10%	50V	D304	8-719-912-20	DIODE	ISS120
C805	1-162-294-31	CERAMIC	0.001uF 10%	50V	D305	8-719-912-20	DIODE	ISS120
C806	1-162-286-31	CERAMIC	220PF 10%	50V	D307	8-719-912-20	DIODE	ISS120
C807	1-162-294-31	CERAMIC	0.001uF 10%	50V	D308	8-719-912-20	DIODE	ISS120
C808	1-162-294-31	CERAMIC	0.001uF 10%	50V	D309	8-719-912-20	DIODE	ISS120
C809	1-164-159-11	CERAMIC	0.1uF 50V		D505	8-719-912-20	DIODE	ISS120
C810	1-124-120-11	ELECT	220uF 20%	25V	D506	8-719-933-33	DIODE	HZS6A1L
C851	1-161-379-00	CERAMIC	0.01uF 20%	25V	D507	8-719-912-20	DIODE	ISS120
C852	1-126-233-11	ELECT	22uF 20%	50V	D508	8-719-912-20	DIODE	ISS120
C853	1-161-494-00	CERAMIC	0.022uF 25V		D509	8-719-912-20	DIODE	ISS120
C854	1-164-159-11	CERAMIC	0.1uF 50V		D801	8-719-912-20	DIODE	ISS120
C855	1-124-925-11	ELECT	2.2uF 20%	100V	D802	8-719-912-20	DIODE	ISS120
C861	1-124-927-11	ELECT	4.7uF 20%	100V	D851	8-719-912-20	DIODE	ISS120
C862	1-124-477-11	ELECT	47uF 20%	25V	D861	8-719-912-20	DIODE	ISS120
C863	1-130-479-00	MYLAR	0.0047uF 5%	50V				
C871	1-164-159-11	CERAMIC	0.1uF 50V					

AUDIO SYSCON

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
< IC >							
IC301	8-759-111-44	IC uPC4570C-1		Q313	8-729-900-61	TRANSISTOR	DTA114ES
IC302	8-752-035-94	IC CXA1331S		Q314	8-729-900-80	TRANSISTOR	DTC114ES
IC303	8-752-038-02	IC CXA1198AP		Q315	8-729-900-80	TRANSISTOR	DTC114ES
IC304	8-759-634-51	IC M5218AP		Q316	8-729-900-80	TRANSISTOR	DTC114ES
IC305	8-759-945-58	IC RC4558P		Q317	8-729-620-05	TRANSISTOR	2SC2603-EF
IC306	8-759-945-58	IC RC4558P		Q318	8-729-900-61	TRANSISTOR	DTA114ES
IC307	8-759-106-56	IC uPC1297CA		Q319	8-729-821-04	TRANSISTOR	2SA1317-STU
IC801	8-759-637-35	IC M50963-465SP		Q322	8-729-900-80	TRANSISTOR	DTC114ES
IC871	8-759-973-95	IC BA6219B		Q323	8-729-900-80	TRANSISTOR	DTC114ES
IC872	8-759-973-95	IC BA6219B		Q501	8-729-209-15	TRANSISTOR	2SD2012
IC881	8-759-973-95	IC BA6219B		Q502	8-729-111-67	TRANSISTOR	2SA473
IC882	8-759-822-09	IC LB1641		Q503	8-729-620-05	TRANSISTOR	2SC2603-EF
< COIL >							
L101	1-410-776-11	INDUCTOR	12mH	Q504	8-729-821-04	TRANSISTOR	2SA1317-STU
L201	1-410-776-11	INDUCTOR	12mH	Q505	8-729-821-04	TRANSISTOR	2SA1317-STU
< LOW PASS FILTER >							
LPF101	1-236-147-11	FILTER, LOW PASS		Q506	8-729-620-05	TRANSISTOR	2SC2603-EF
LPF201	1-236-147-11	FILTER, LOW PASS		Q507	8-729-821-04	TRANSISTOR	2SA1317-STU
< JACK >							
PJ301	1-565-258-11	JACK, PIN 4P (LINE IN/OUT)		Q861	8-729-620-05	TRANSISTOR	2SC2603-EF
< RESISTOR >							
< TRANSISTOR >							
Q101	8-729-900-74	TRANSISTOR	DTC143TS	R101	1-249-428-11	CARBON	8.2K 5% 1/4W
Q102	8-729-900-80	TRANSISTOR	DTC114ES	R102	1-249-435-11	CARBON	33K 5% 1/4W
Q103	8-729-900-74	TRANSISTOR	DTC143TS	R103	1-249-403-11	CARBON	68 5% 1/4W
Q104	8-729-922-37	TRANSISTOR	2SD2144S	R104	1-247-882-11	CARBON	130K 5% 1/4W
Q105	8-729-900-80	TRANSISTOR	DTC114ES	R105	1-249-426-11	CARBON	5.6K 5% 1/4W
Q201	8-729-900-74	TRANSISTOR	DTC143TS	R106	1-249-421-11	CARBON	2.2K 5% 1/4W
Q202	8-729-900-80	TRANSISTOR	DTC114ES	R107	1-247-840-00	CARBON	2.4K 5% 1/4W
Q203	8-729-900-74	TRANSISTOR	DTC143TS	R108	1-247-887-00	CARBON	220K 5% 1/4W
Q204	8-729-922-37	TRANSISTOR	2SD2144S	R109	1-249-441-11	CARBON	100K 5% 1/4W
Q205	8-729-900-80	TRANSISTOR	DTC114ES	R110	1-249-423-11	CARBON	3.3K 5% 1/4W
Q301	8-729-821-04	TRANSISTOR	2SA1317-STU	R111	1-249-428-11	CARBON	8.2K 5% 1/4W
Q302	8-729-900-80	TRANSISTOR	DTC114ES	R112	1-247-864-11	CARBON	24K 5% 1/4W
Q303	8-729-900-61	TRANSISTOR	DTA114ES	R113	1-249-414-11	CARBON	560 5% 1/4W
Q304	8-729-900-61	TRANSISTOR	DTA114ES	R116	1-249-421-11	CARBON	2.2K 5% 1/4W
Q305	8-729-900-80	TRANSISTOR	DTC114ES	R117	1-249-429-11	CARBON	10K 5% 1/4W
Q306	8-729-142-46	TRANSISTOR	2SC2001-M	R118	1-249-427-11	CARBON	6.8K 5% 1/4W
Q307	8-729-142-46	TRANSISTOR	2SC2001-M	R120	1-249-425-11	CARBON	4.7K 5% 1/4W
Q308	8-729-900-61	TRANSISTOR	DTA114ES	R121	1-249-425-11	CARBON	4.7K 5% 1/4W
Q309	8-729-620-05	TRANSISTOR	2SC2603-EF	R123	1-249-433-11	CARBON	22K 5% 1/4W
Q310	8-729-900-61	TRANSISTOR	DTA114ES	R124	1-249-417-11	CARBON	1K 5% 1/4W
Q311	8-729-900-80	TRANSISTOR	DTC114ES	R125	1-249-421-11	CARBON	2.2K 5% 1/4W
				R126	1-249-431-11	CARBON	15K 5% 1/4W
				R127	1-249-433-11	CARBON	22K 5% 1/4W

AUDIO SYSCON

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
R128	1-249-409-11	CARBON	220 5% 1/4W	R242	1-249-432-11	CARBON	18K 5% 1/4W
R129	1-249-421-11	CARBON	2.2K 5% 1/4W	R243	▲ 1-212-857-00	FUSIBLE	10 5% 1/4W F
R130	1-249-408-11	CARBON	180 5% 1/4W	R244	1-247-883-00	CARBON	150K 5% 1/4W
R131	1-249-436-11	CARBON	39K 5% 1/4W	R301	1-249-429-11	CARBON	10K 5% 1/4W
R132	1-249-429-11	CARBON	10K 5% 1/4W	R302	1-249-405-11	CARBON	100 5% 1/4W
R134	1-249-435-11	CARBON	33K 5% 1/4W	R303	1-249-405-11	CARBON	100 5% 1/4W
R135	1-249-437-11	CARBON	47K 5% 1/4W	R304	1-249-405-11	CARBON	100 5% 1/4W
R136	1-249-435-11	CARBON	33K 5% 1/4W	R305	1-249-405-11	CARBON	100 5% 1/4W
R137	1-249-429-11	CARBON	10K 5% 1/4W	R308	1-249-405-11	CARBON	100 5% 1/4W
R138	1-249-432-11	CARBON	18K 5% 1/4W	R309	1-249-405-11	CARBON	100 5% 1/4W
R141	1-249-434-11	CARBON	27K 5% 1/4W	R310	1-249-429-11	CARBON	10K 5% 1/4W
R142	1-249-432-11	CARBON	18K 5% 1/4W	R311	1-249-430-11	CARBON	12K 5% 1/4W
R143	▲ 1-212-857-00	FUSIBLE	10 5% 1/4W F	R312	1-247-854-11	CARBON	9.1K 5% 1/4W
R144	1-247-883-00	CARBON	150K 5% 1/4W	R313	1-247-864-11	CARBON	24K 5% 1/4W
R201	1-249-428-11	CARBON	8.2K 5% 1/4W	R314	1-249-441-11	CARBON	100K 5% 1/4W
R202	1-249-435-11	CARBON	33K 5% 1/4W	R317	1-249-393-11	CARBON	10 5% 1/4W
R203	1-249-403-11	CARBON	68 5% 1/4W	R318	1-249-435-11	CARBON	33K 5% 1/4W
R204	1-247-882-11	CARBON	130K 5% 1/4W	R319	1-249-435-11	CARBON	33K 5% 1/4W
R205	1-249-426-11	CARBON	5.6K 5% 1/4W	R320	1-249-390-11	CARBON	5.6 5% 1/6W
R206	1-249-421-11	CARBON	2.2K 5% 1/4W	R321	1-249-390-11	CARBON	5.6 5% 1/6W
R207	1-247-840-00	CARBON	2.4K 5% 1/4W	R322	1-249-417-11	CARBON	1K 5% 1/4W
R208	1-247-887-00	CARBON	220K 5% 1/4W	R323	1-249-421-11	CARBON	2.2K 5% 1/4W
R209	1-249-441-11	CARBON	100K 5% 1/4W	R324	1-249-431-11	CARBON	15K 5% 1/4W
R210	1-249-423-11	CARBON	3.3K 5% 1/4W	R325	1-249-403-11	CARBON	68 5% 1/4W
R211	1-249-428-11	CARBON	8.2K 5% 1/4W	R326	1-249-429-11	CARBON	10K 5% 1/4W
R212	1-247-864-11	CARBON	24K 5% 1/4W	R327	1-215-455-00	METAL	27K 1% 1/6W
R213	1-249-414-11	CARBON	560 5% 1/4W	R328	1-249-417-11	CARBON	1K 5% 1/4W
R216	1-249-421-11	CARBON	2.2K 5% 1/4W	R329	1-249-417-11	CARBON	1K 5% 1/4W
R217	1-249-429-11	CARBON	10K 5% 1/4W	R330	1-249-441-11	CARBON	100K 5% 1/4W
R218	1-249-427-11	CARBON	6.8K 5% 1/4W	R331	1-247-864-11	CARBON	24K 5% 1/4W
R220	1-249-425-11	CARBON	4.7K 5% 1/4W	R332	1-249-433-11	CARBON	22K 5% 1/4W
R221	1-249-425-11	CARBON	4.7K 5% 1/4W	R333	1-247-870-11	CARBON	43K 5% 1/4W
R223	1-249-433-11	CARBON	22K 5% 1/4W	R334	1-247-868-11	CARBON	36K 5% 1/4W
R224	1-249-417-11	CARBON	1K 5% 1/4W	R335	1-247-878-00	CARBON	91K 5% 1/4W
R225	1-249-421-11	CARBON	2.2K 5% 1/4W	R336	1-247-884-11	CARBON	160K 5% 1/4W
R226	1-249-431-11	CARBON	15K 5% 1/4W	R337	1-249-437-11	CARBON	47K 5% 1/4W
R227	1-249-433-11	CARBON	22K 5% 1/4W	R338	1-247-886-11	CARBON	200K 5% 1/4W
R228	1-249-409-11	CARBON	220 5% 1/4W	R339	1-247-866-11	CARBON	30K 5% 1/4W
R229	1-249-421-11	CARBON	2.2K 5% 1/4W	R340	1-249-434-11	CARBON	27K 5% 1/4W
R230	1-249-408-11	CARBON	180 5% 1/4W	R341	1-247-872-11	CARBON	51K 5% 1/4W
R231	1-249-436-11	CARBON	39K 5% 1/4W	R342	1-247-882-11	CARBON	130K 5% 1/4W
R232	1-249-429-11	CARBON	10K 5% 1/4W	R343	1-247-874-11	CARBON	62K 5% 1/4W
R234	1-249-435-11	CARBON	33K 5% 1/4W	R344	1-249-439-11	CARBON	68K 5% 1/4W
R235	1-249-437-11	CARBON	47K 5% 1/4W	R345	1-247-870-11	CARBON	43K 5% 1/4W
R236	1-249-435-11	CARBON	33K 5% 1/4W	R346	1-247-868-11	CARBON	36K 5% 1/4W
R237	1-249-429-11	CARBON	10K 5% 1/4W	R347	1-249-435-11	CARBON	33K 5% 1/4W
R238	1-249-432-11	CARBON	18K 5% 1/4W	R348	1-247-878-00	CARBON	91K 5% 1/4W
R241	1-249-434-11	CARBON	27K 5% 1/4W	R349	1-249-438-11	CARBON	56K 5% 1/4W
				R350	1-249-438-11	CARBON	56K 5% 1/4W

The components identified by mark ▲ or dotted line with mark ▲ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque ▲ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

AUDIO SYSCON

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
R351	1-249-409-11	CARBON	220 5% 1/4W	R831	1-249-425-11	CARBON	4.7K 5% 1/4W
R352	1-249-441-11	CARBON	100K 5% 1/4W	R832	1-249-425-11	CARBON	4.7K 5% 1/4W
R353	1-249-423-11	CARBON	3.3K 5% 1/4W	R833	1-249-425-11	CARBON	4.7K 5% 1/4W
R354	1-249-421-11	CARBON	2.2K 5% 1/4W	R834	1-249-421-11	CARBON	2.2K 5% 1/4W
R355	1-249-441-11	CARBON	100K 5% 1/4W	R835	1-249-433-11	CARBON	22K 5% 1/4W
R356	1-247-887-00	CARBON	220K 5% 1/4W	R836	1-249-417-11	CARBON	1K 5% 1/4W
R357	1-249-428-11	CARBON	8.2K 5% 1/4W	R837	1-249-417-11	CARBON	1K 5% 1/4W
R358	1-249-429-11	CARBON	10K 5% 1/4W	R838	1-249-429-11	CARBON	10K 5% 1/4W
R362	1-249-433-11	CARBON	22K 5% 1/4W	R839	1-249-429-11	CARBON	10K 5% 1/4W
R363	1-249-405-11	CARBON	100 5% 1/4W	R840	1-247-903-00	CARBON	1M 5% 1/4W
R364	1-249-429-11	CARBON	10K 5% 1/4W	R851	1-249-425-11	CARBON	4.7K 5% 1/4W
R365	1-249-405-11	CARBON	100 5% 1/4W	R852	1-249-433-11	CARBON	22K 5% 1/4W
R366	1-249-405-11	CARBON	100 5% 1/4W	R853	1-249-433-11	CARBON	22K 5% 1/4W
R501	1-249-433-11	CARBON	22K 5% 1/4W	R854	1-249-424-11	CARBON	3.9K 5% 1/4W
R502	1-249-421-11	CARBON	2.2K 5% 1/4W	R855	1-249-425-11	CARBON	4.7K 5% 1/4W
R503	1-249-421-11	CARBON	2.2K 5% 1/4W	R856	1-249-417-11	CARBON	1K 5% 1/4W
R504	1-249-421-11	CARBON	2.2K 5% 1/4W	R857	1-249-437-11	CARBON	47K 5% 1/4W
R505	1-249-421-11	CARBON	2.2K 5% 1/4W	R858	1-249-441-11	CARBON	100K 5% 1/4W
R506	1-249-417-11	CARBON	1K 5% 1/4W	R859	1-249-429-11	CARBON	10K 5% 1/4W
R507	1-249-417-11	CARBON	1K 5% 1/4W	R861	1-249-421-11	CARBON	2.2K 5% 1/4W
R508	1-249-417-11	CARBON	1K 5% 1/4W	R862	1-249-429-11	CARBON	10K 5% 1/4W
R509	1-249-415-11	CARBON	680 5% 1/4W	R863	1-249-433-11	CARBON	22K 5% 1/4W
R510	1-249-422-11	CARBON	2.7K 5% 1/4W	R864	1-249-429-11	CARBON	10K 5% 1/4W
R511	1-249-424-11	CARBON	3.9K 5% 1/4W	R865	1-249-429-11	CARBON	10K 5% 1/4W
R512	1-249-423-11	CARBON	3.3K 5% 1/4W	R866	1-249-417-11	CARBON	1K 5% 1/4W
R801	1-249-405-11	CARBON	100 5% 1/4W	R867	1-247-826-00	CARBON	620 5% 1/4W
R802	1-249-405-11	CARBON	100 5% 1/4W	R871	1-249-414-11	CARBON	560 5% 1/4W
R803	1-249-405-11	CARBON	100 5% 1/4W	R872	1-249-417-11	CARBON	1K 5% 1/4W
R804	1-249-405-11	CARBON	100 5% 1/4W	R873	1-249-482-11	CARBON	4.7 5% 1/2W
R805	1-249-405-11	CARBON	100 5% 1/4W	R874	1-247-822-11	CARBON	430 5% 1/4W
R806	1-249-405-11	CARBON	100 5% 1/4W	R875	1-249-417-11	CARBON	1K 5% 1/4W
R807	1-249-405-11	CARBON	100 5% 1/4W	R876	1-249-482-11	CARBON	4.7 5% 1/2W
R808	1-249-405-11	CARBON	100 5% 1/4W	R877	△1-212-942-00	FUSIBLE	2.2 5% 1/2W F
R809	1-249-433-11	CARBON	22K 5% 1/4W	R880	1-249-411-11	CARBON	330 5% 1/4W
R810	1-249-433-11	CARBON	22K 5% 1/4W	R881	1-247-830-11	CARBON	910 5% 1/4W
R811	1-249-433-11	CARBON	22K 5% 1/4W	R882	1-249-418-11	CARBON	1.2K 5% 1/4W
R812	1-249-433-11	CARBON	22K 5% 1/4W	R883	1-249-417-11	CARBON	1K 5% 1/4W
R813	1-249-425-11	CARBON	4.7K 5% 1/4W	R884	1-249-482-11	CARBON	4.7 5% 1/2W
R814	1-249-429-11	CARBON	10K 5% 1/4W	R885	1-249-421-11	CARBON	2.2K 5% 1/4W
R815	1-249-429-11	CARBON	10K 5% 1/4W	R886	1-249-419-11	CARBON	1.5K 5% 1/4W
R816	1-249-425-11	CARBON	4.7K 5% 1/4W	R887	1-249-417-11	CARBON	1K 5% 1/4W
R821	1-249-425-11	CARBON	4.7K 5% 1/4W	R888	1-249-482-11	CARBON	4.7 5% 1/2W
R822	1-249-425-11	CARBON	4.7K 5% 1/4W	R889	1-249-429-11	CARBON	10K 5% 1/4W
R823	1-249-425-11	CARBON	4.7K 5% 1/4W				
R824	1-249-425-11	CARBON	4.7K 5% 1/4W				
R825	1-249-436-11	CARBON	39K 5% 1/4W				
R826	1-249-436-11	CARBON	39K 5% 1/4W				
R827	1-249-409-11	CARBON	220 5% 1/4W				
R830	1-249-433-11	CARBON	22K 5% 1/4W				

< VARIABLE RESISTOR >

RV101	1-238-019-11	RES, ADJ, CARBON	47K
RV102	1-238-016-11	RES, ADJ, CARBON	10K
RV103	1-238-016-11	RES, ADJ, CARBON	10K

The components identified by mark or dotted line with mark are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

AUDIO SYSCON

TRANSLATION

MD

PANEL POWER

PANEL POWER

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C907	1-126-163-11	ELECT	4.7uF 20% 50V	Q702	8-729-111-67	TRANSISTOR	2SA473
C991	1-126-163-11	ELECT	4.7uF 20% 50V	Q703	8-729-620-05	TRANSISTOR	2SC2603-EF
		< CONNECTOR >		Q704	8-729-620-05	TRANSISTOR	2SC2603-EF
CN306	* 1-564-507-11	PLUG, CONNECTOR 4P		Q705	8-729-209-15	TRANSISTOR	2SD2012
CN308	* 1-568-824-11	SOCKET, CONNECTOR 5P		Q706	8-729-821-04	TRANSISTOR	2SA1317-STU
CN701	* 1-568-830-21	SOCKET, CONNECTOR 11P		Q707	8-729-140-04	TRANSISTOR	2SB1116A-L
CN702	* 1-568-830-21	SOCKET, CONNECTOR 11P		Q991	8-729-900-61	TRANSISTOR	DTA114ES
CN703	* 1-568-830-11	SOCKET, CONNECTOR 11P					< RESISTOR >
CN705	△* 1-508-882-00	BASE POST		R359	1-249-413-11	CARBON	470 5% 1/4W
CN802	* 1-568-824-11	SOCKET, CONNECTOR 5P		R360	1-249-413-11	CARBON	470 5% 1/4W
CN901	* 1-568-830-11	SOCKET, CONNECTOR 11P		R701	1-249-433-11	CARBON	22K 5% 1/4W
CN902	* 1-568-830-11	SOCKET, CONNECTOR 11P		R702	1-249-419-11	CARBON	1.5K 5% 1/4W
		< DIODE >		R704	△1-219-136-11	FUSIBLE	0.22 10% 1/4W F
D701	8-719-200-77	DIODE	10E2N	R705	1-249-422-11	CARBON	2.7K 5% 1/4W
D702	8-719-500-36	DIODE	D2SB20	R706	1-249-421-11	CARBON	2.2K 5% 1/4W
D703	8-719-912-20	DIODE	1SS120	R707	1-249-422-11	CARBON	2.7K 5% 1/4W
D704	8-719-001-54	DIODE	UZL-11H2	R708	1-249-430-11	CARBON	12K 5% 1/4W
D705	8-719-200-77	DIODE	10E2N	R709	1-249-429-11	CARBON	10K 5% 1/4W
D706	8-719-933-41	DIODE	HZS6C3L	R710	1-249-436-11	CARBON	39K 5% 1/4W
D707	8-719-912-20	DIODE	1SS120	R712	△1-219-139-11	FUSIBLE	0.68 10% 1/4W F
D708	8-719-933-38	DIODE	HZS6B3L	R713	△1-219-139-11	FUSIBLE	0.68 10% 1/4W F
D709	8-719-200-77	DIODE	10E2N	R791	△1-249-385-11	CARBON	2.2 5% 1/6W
D710	8-719-200-77	DIODE	10E2N	R901	1-249-405-11	CARBON	100 5% 1/4W
D711	8-719-200-77	DIODE	10E2N	R902	1-249-405-11	CARBON	100 5% 1/4W
D712	8-719-200-77	DIODE	10E2N	R903	1-249-405-11	CARBON	100 5% 1/4W
D713	8-719-912-20	DIODE	1SS120	R904	1-249-405-11	CARBON	100 5% 1/4W
		< FUSE >		R905	1-249-405-11	CARBON	100 5% 1/4W
F1	△1-532-259-00	FUSE, TIME-LAG (T1.6A 250V)	(AEP, G, UK)	R906	1-249-405-11	CARBON	100 5% 1/4W
F1	△1-532-742-11	FUSE, GLASS TUBE (1.6A 125V)	(US, Canadian)	R907	1-249-433-11	CARBON	22K 5% 1/4W
F2	△1-532-259-00	FUSE, TIME-LAG (T1.6A 250V)	(AEP, G, UK)	R908	1-249-417-11	CARBON	1K 5% 1/4W
F2	△1-532-742-11	FUSE, GLASS TUBE (1.6A 125V)	(US, Canadian)	R909	1-247-903-00	CARBON	1M 5% 1/4W
		< INDICATOR TUBE >		R911	1-247-856-00	CARBON	11K 5% 1/4W
FL901	1-519-687-11	INDICATOR TUBE, FLUORESCENT		R912	1-247-856-00	CARBON	11K 5% 1/4W
		< IC >		R913	1-247-856-00	CARBON	11K 5% 1/4W
IC901	8-759-637-33	IC	M50940-340SP	R914	1-247-856-00	CARBON	11K 5% 1/4W
IC991	8-741-100-48	IC	SBX1610-59	R915	1-247-856-00	CARBON	11K 5% 1/4W
		< JACK >		R916	1-247-856-00	CARBON	11K 5% 1/4W
J501	1-507-981-11	JACK (LARGE TYPE) (HEADPHONES)		R917	1-249-421-11	CARBON	2.2K 5% 1/4W
		< TRANSISTOR >		R918	1-249-421-11	CARBON	2.2K 5% 1/4W
Q701	8-729-620-05	TRANSISTOR	2SC2603-EF	R919	1-249-425-11	CARBON	4.7K 5% 1/4W
				R920	1-249-421-11	CARBON	2.2K 5% 1/4W
				R921	1-249-409-11	CARBON	220 5% 1/4W
				R922	1-249-409-11	CARBON	220 5% 1/4W
				R923	1-249-409-11	CARBON	220 5% 1/4W
				R931	1-249-421-11	CARBON	2.2K 5% 1/4W
				R932	1-249-423-11	CARBON	3.3K 5% 1/4W
				R933	1-249-426-11	CARBON	5.6K 5% 1/4W
				R934	1-247-856-00	CARBON	11K 5% 1/4W

The components identified by mark △ or dotted line with mark △ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque △ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

PANEL POWER

REAL MOTOR

SLIDER

Ref. No. Part No. Description Remark

R935	1-249-435-11	CARBON	33K	5%	1/4W
R941	1-249-421-11	CARBON	2.2K	5%	1/4W
R942	1-249-423-11	CARBON	3.3K	5%	1/4W
R943	1-249-426-11	CARBON	5.6K	5%	1/4W
R944	1-247-856-00	CARBON	11K	5%	1/4W
R951	1-249-421-11	CARBON	2.2K	5%	1/4W
R952	1-249-423-11	CARBON	3.3K	5%	1/4W
R953	1-249-426-11	CARBON	5.6K	5%	1/4W
R954	1-247-856-00	CARBON	11K	5%	1/4W
R955	1-249-435-11	CARBON	33K	5%	1/4W
R961	1-249-421-11	CARBON	2.2K	5%	1/4W
R962	1-249-423-11	CARBON	3.3K	5%	1/4W
R963	1-249-426-11	CARBON	5.6K	5%	1/4W
R964	1-247-856-00	CARBON	11K	5%	1/4W
R971	1-249-421-11	CARBON	2.2K	5%	1/4W
R981	1-249-421-11	CARBON	2.2K	5%	1/4W
R991	1-249-429-11	CARBON	10K	5%	1/4W

< VARIABLE RESISTOR >

RV301	1-241-524-11	RES, VAR. CARBON	50K/50K	(REC REVEL)
RV302	1-241-655-11	RES, VAR. CARBON	50K/50K	(BALANCE)

< SWITCH >

S301	1-572-374-11	SWITCH, SLIDE (DOLBY NR)
S893	1-570-953-11	SWITCH, PUSH (1 KEY) (CASSETTE LID)
S931	1-554-303-21	SWITCH, TACTILE (OPEN/CLOSE)
S932	1-554-303-21	SWITCH, TACTILE (REW)
S933	1-554-303-21	SWITCH, TACTILE (FF)

S934	1-554-303-21	SWITCH, TACTILE (REC)
S935	1-554-303-21	SWITCH, TACTILE (COUNTER RESET)
S936	1-554-303-21	SWITCH, TACTILE (COUNTER MEMOLY)
S941	1-554-303-21	SWITCH, TACTILE (STOP)
S942	1-554-303-21	SWITCH, TACTILE (PAUSE)

S943	1-554-303-21	SWITCH, TACTILE (FWD)
S944	1-554-303-21	SWITCH, TACTILE (REV)
S945	1-554-303-21	SWITCH, TACTILE (REC MUTE)
S951	1-554-303-21	SWITCH, TACTILE (SKIP)
S952	1-554-303-21	SWITCH, TACTILE (BL SKIP)

S953	1-554-303-21	SWITCH, TACTILE (ALL REW)
S954	1-554-303-21	SWITCH, TACTILE (CD SYNC)
S955	1-554-303-21	SWITCH, TACTILE (SHUFFLE)
S956	1-554-303-21	SWITCH, TACTILE (PROGRAM)
S961	1-554-303-21	SWITCH, TACTILE (1)

S962	1-554-303-21	SWITCH, TACTILE (2)
S963	1-554-303-21	SWITCH, TACTILE (3)
S964	1-554-303-21	SWITCH, TACTILE (4)
S965	1-554-303-21	SWITCH, TACTILE (5)
S971	1-571-520-11	SWITCH, SLIDE (DIRECTION)

Ref. No. Part No. Description Remark

S981	1-571-520-11	SWITCH, SLIDE (TIMER)
S991	1-554-118-00	SWITCH, PUSH (1 KEY) (POWER)

< TRANSFORMER >

T1	1-450-444-11	TRANSFORMER, POWER (US, Canadian)
T1	1-450-446-11	TRANSFORMER, POWER (AEP, G, UK)

< THERMISTOR >

TH791	1-806-882-11	THERMISTOR (POSITIVE)
-------	--------------	-----------------------

< CRYSTAL >

X901	1-577-358-21	VIBRATOR, CERAMIC (4MHz)
------	--------------	--------------------------

* 1-632-741-11 REAL MOTOR BOARD

< CAPACITOR >

C1051	1-124-907-11	ELECT	10uF	20%	50V
C1052	1-124-907-11	ELECT	10uF	20%	50V
C1053	1-164-159-11	CERAMIC	0.1uF		50V

< CONNECTOR >

CN1051	1-564-501-11	PIN, CONNECTOR 8P
CN1052	* 1-564-720-11	PIN, CONNECTOR (SMALL TYPE) 4P
CN1053	* 1-564-718-11	PIN, CONNECTOR (SMALL TYPE) 2P

< MOTOR >

M1051	X-3356-638-1	MOTOR (REEL R) ASSY
M1052	X-3356-604-1	MOTOR (ASSIST) ASSY

< RESISTOR >

R1051	1-249-414-11	CARBON	560	5%	1/4W
-------	--------------	--------	-----	----	------

* 1-641-110-11 SLIDER BOARD (including DRUM PULSE BOARD, DRUM TRAY MOTOR BOARD, DRUM CLK BOARD, IN/OUT SW BOARD)

< CAPACITOR >

C891	1-124-768-11	ELECT	4.7uF	20%	50V
C892	1-124-768-11	ELECT	4.7uF	20%	50V
C893	1-164-159-11	CERAMIC	0.1uF		50V
C894	1-164-159-11	CERAMIC	0.1uF		50V

The components identified by mark or dotted line with mark are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

SLIDER

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
< CONNECTOR >							
CN894	* 1-568-830-11	SOCKET, CONNECTOR 11P				ACCESSORIES & PACKING MATERIALS	
CN895	* 1-564-338-00	PIN, CONNECTOR 4P				*****	
CN896	* 1-564-337-00	PIN, CONNECTOR 3P					
CN898	* 1-564-337-61	PIN, CONNECTOR 3P					
< DIODE >							
D891	8-719-970-19	PHOTOINTERRUPTER GP-1A521				1-465-912-11 REMOTE COMMANDER (RM-J801)	
D892	8-719-970-19	PHOTOINTERRUPTER GP-1A521				1-559-533-11 CORD, CONNECTION	
< MOTOR >							
M891	X-3363-669-1	MOTOR (TRAY) ASSY				* 3-371-943-01 CUSHION	
M892	X-3363-670-1	MOTOR (DRUM) ASSY				* 3-371-944-01 INDIVIDUAL CARTON	
< RESISTOR >							
R891	1-249-413-11	CARBON	470	5%	1/4W	3-703-450-01 INSTRUCTION (US)	
R892	1-249-413-11	CARBON	470	5%	1/4W		
< SWITCH >							
S891	1-571-300-21	SWITCH, ROTARY (TRAY I/O)				3-754-020-11 MANUAL, INSTRUCTION (AEP, UK) (ENGLISH, FRENCH, SPANISH, PORTUGUESE)	

MISCELLANEOUS							

64	1-534-517-00	WIRE, FLAT TYPE (11 CORE)			#1	7-682-548-09 SCREW +BVTT 3X8 (S)	
67	1-690-319-11	WIRE, FLAT TYPE (11 CORE)			#2	7-621-775-40 SCREW (2.6X8), STPWH	
68	1-575-779-11	WIRE, FLAT TYPE (5 CORE)			#3	7-685-133-19 SCREW +BTP 2.6X6 TYPE2 N-S	
69	1-575-778-11	WIRE, FLAT TYPE (5 CORE)			#4	7-621-770-67 SCREW +BVTT 2.6X6 (S)	
158	1-534-517-00	WIRE, FLAT TYPE (11 CORE)			#5	7-627-854-07 PRECISION SCREW +P 2X2.5 TYPE3	
	i-590-575-11				#6	7-623-421-07 LW 2.6, TYPE B	
159	1-690-320-11	WIRE, FLAT TYPE (11 CORE)			#7	7-621-775-00 SCREW +B 2.6X3	
160	1-534-517-00	WIRE, FLAT TYPE (11 CORE)			#8	7-621-775-68 SCREW +BVTT 2.6X12 (S)	
162	▲ 1-555-465-00	CORD, POWER (US, Canadian)			#9	7-682-547-09 SCREW +BV 3X6, S TIGHT	
162	▲ 1-555-795-00	CORD, POWER, EULO PLUG (AEP, G)			#10	7-682-547-04 SCREW +BVTT 3X6 (S)	
162	▲ 1-556-035-00	CORD, POWER (UK)			#11	7-621-849-00 SCREW (BV/RING)	
D1091	8-719-950-74	PHOTOINTERRUPTER SLR314D			#12	7-621-773-93 SCREW (PANEL 2.6 TP2)	
D1001	8-719-980-85	LED SLF325C (CASSETTE)			#13	7-687-233-11 SCREW (+ PTPWH) (2.6X6)	
HRPE1001	A-2003-722-A	SLIDER (R4) COMPLETE ASSY (This parts, if ordered, contains the SENSOR board.)			#14	7-685-646-79 SCREW +BVTP 3X8 TYPE2	
Q1091	8-729-809-43	PHOTOINTERRUPTER SPS-314B			#15	7-685-870-09 SCREW +BVTT 3X5 (S)	
S892	1-572-713-11	SWITCH, PUSH (WITH CONNECTOR) (MID)			#16	7-621-773-95 SCREW +BVTT 2.6X6 (S)	
S1001	1-466-525-11	ENCODER, ROTARY			#17	7-621-255-35 SCREW +BVTT 2X5 (S)	

The components identified by mark ▲ or dotted line with mark ▲ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ▲ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

TC-C5

SONY SERVICE MANUAL

*US Model
Canadian Model
AEP Model
UK Model*

SUPPLEMENT-1

File this Supplement with the Service Manual.

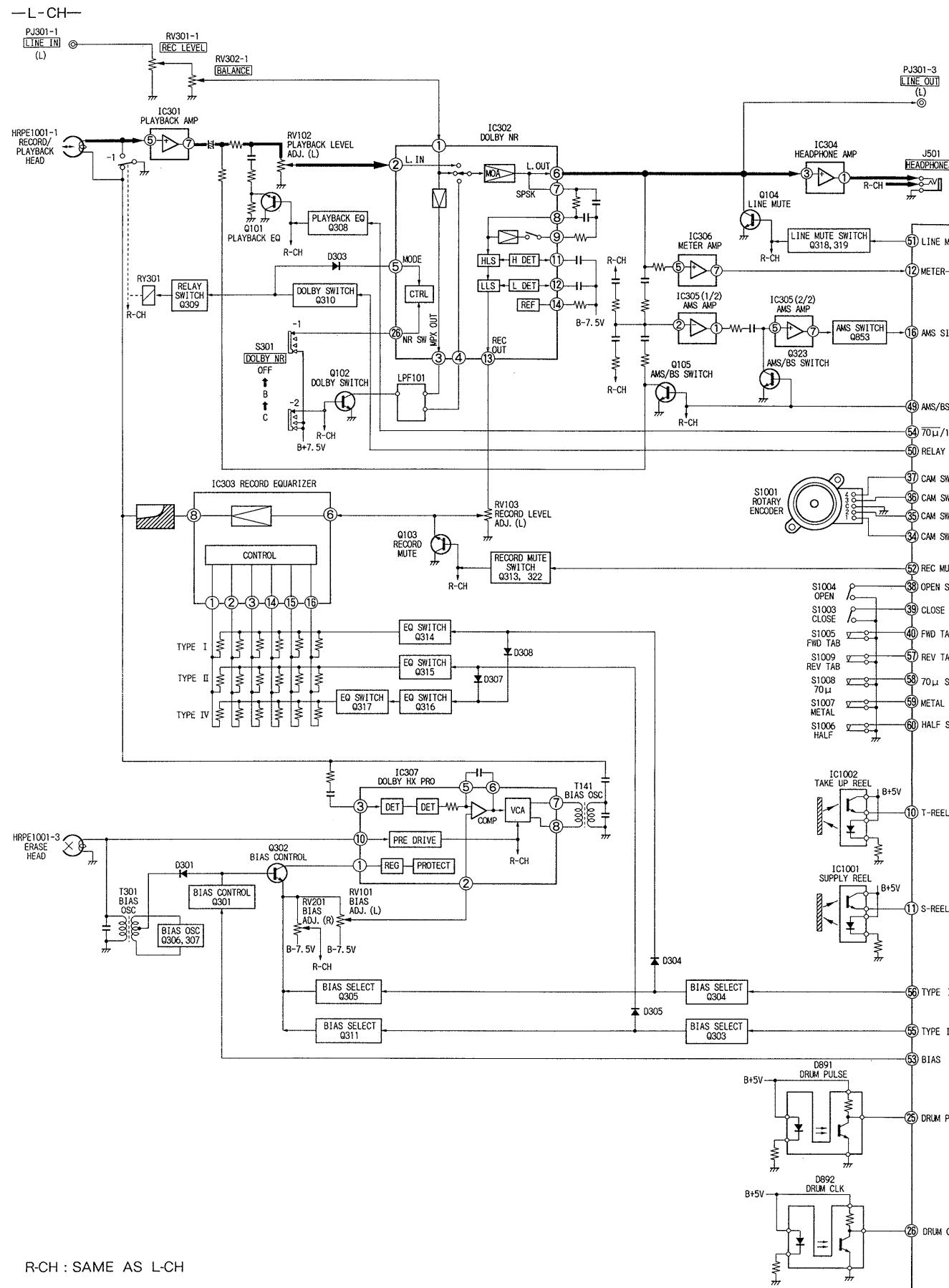
BLOCK DIAGRAM

9-956-655-81

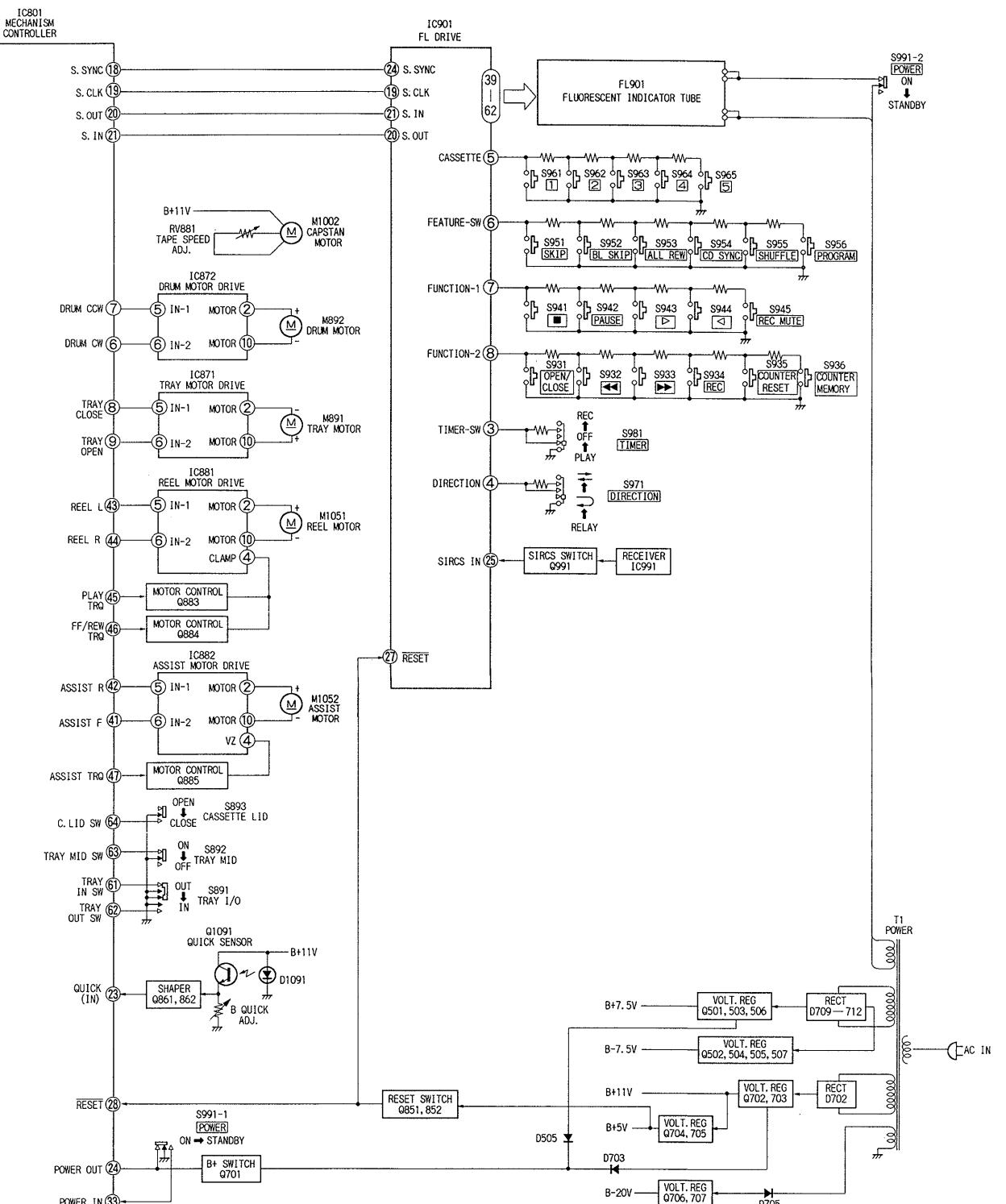
Sony Corporation
Audio Group

English
92C0290-1
Printed in Japan
© 1992.3
Published by Customer Relations and Service Group

BLOCK DIAGRAM



R-CH : SAME AS L-CH



SONY SERVICE MANUAL

US Model
Canadian Model
AEP Model
UK Model

CORRECTION-1

File this Correction with the Service Manual.

US Model Only (Serial No. 800,001 – 808,000)

The explanation on the ASSIST circuit board was not included in the already issued Service Manual (US Model), and therefore we wish to add explanations for its circuit, mounting diagram and list of electric parts.

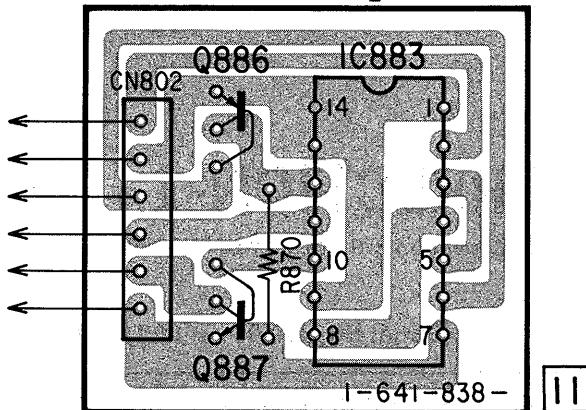
● ELECTRICAL PARTS LIST (Service Manual See page 41 – 49)

Ref. No.	Part No.	Description	Remark
* CN803	1-564-509-11	PLUG, CONNECTOR 6P	Added
IC883	8-759-140-11	IC μ PD4011BC	Added
Q886	8-729-900-65	TRANSISTOR DTA144ES	Added
Q887	8-729-900-80	TRANSISTOR DTC114ES	Added
R870	1-249-429-11	CARBON(SMALL) 10K 5% 1/4W	Added

PRINTED WIRING BOARDS – Audio/System Control –
(Service Manual See page 19 – 22)

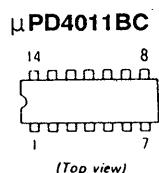
[ASSIST BOARD]

TO IC801 38 Pin
TO +5 (IC801 1, 3 Pin)
TO IC801 47 Pin
TO Q885 BASE
TO IC882 4 Pin
TO GND



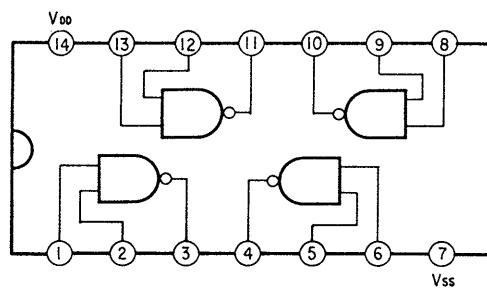
II

● Semiconductor Lead Layout
(Service Manual See page 34)



● IC Block Diagram
(Service Manual See page 26)

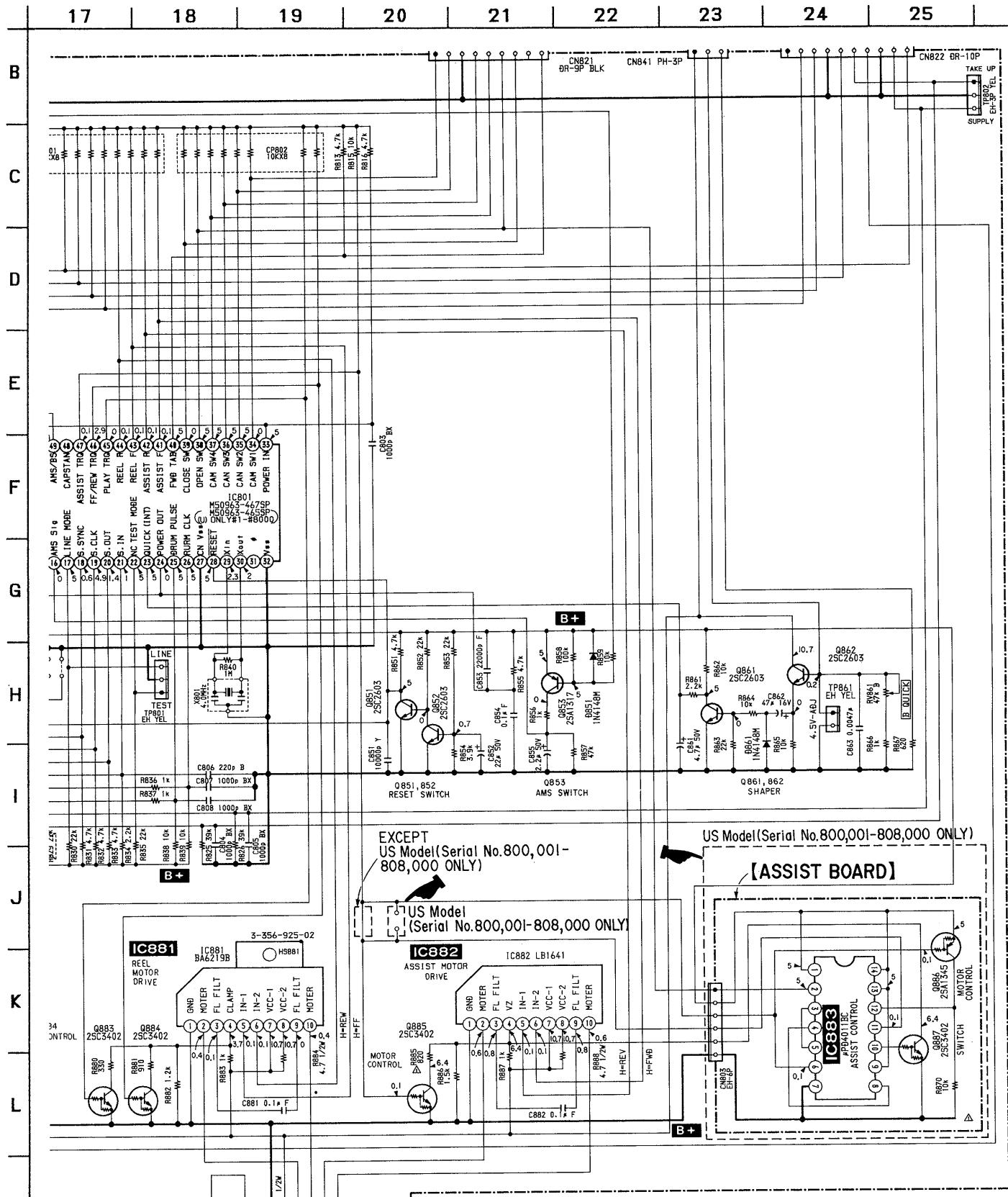
IC883 μPD4011BC



SCHEMATIC DIAGRAMS – System Control Section –

(Service Manual See page 23 – 26)

 : Corrected portion



SONY® SERVICE MANUAL

US Model
Canadian Model
AEP Model
UK Model

CORRECTION-2

Correct your service manual as shown below.

____ (Under line) : indicates corrected portion.

Page	INCORRECT			CORRECT		
	Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
36	64	1-534-517-00	WIRE, FLAT TYPE (11 CORE)	64	<u>1-590-575-11</u>	WIRE, FLAT TYPE (11 CORE)
38	158	1-534-517-00	WIRE, FLAT TYPE (11 CORE)	158	<u>1-590-575-11</u>	WIRE, FLAT TYPE (11 CORE)
	160	1-534-517-00	WIRE, FLAT TYPE (11 CORE)	160	<u>1-590-575-11</u>	WIRE, FLAT TYPE (11 CORE)
49	64	1-534-517-00	WIRE, FLAT TYPE (11 CORE)	64	<u>1-590-575-11</u>	WIRE, FLAT TYPE (11 CORE)
	158	1-534-517-00	WIRE, FLAT TYPE (11 CORE)	158	<u>1-590-575-11</u>	WIRE, FLAT TYPE (11 CORE)
	160	1-534-517-00	WIRE, FLAT TYPE (11 CORE)	160	<u>1-590-575-11</u>	WIRE, FLAT TYPE (11 CORE)

(SPM-96017)